Welcome to BPR2000

A powerful but easy to use duplication and publishing software application for the Vinpower family of automated robotic systems. BPR2000 delivers quality recording for the most popular CD, DVD, and Blu-ray formats. In addition, the program is engineered to provide reliability and optimized robotic handling. Here are some of the features offered by BPR2000:

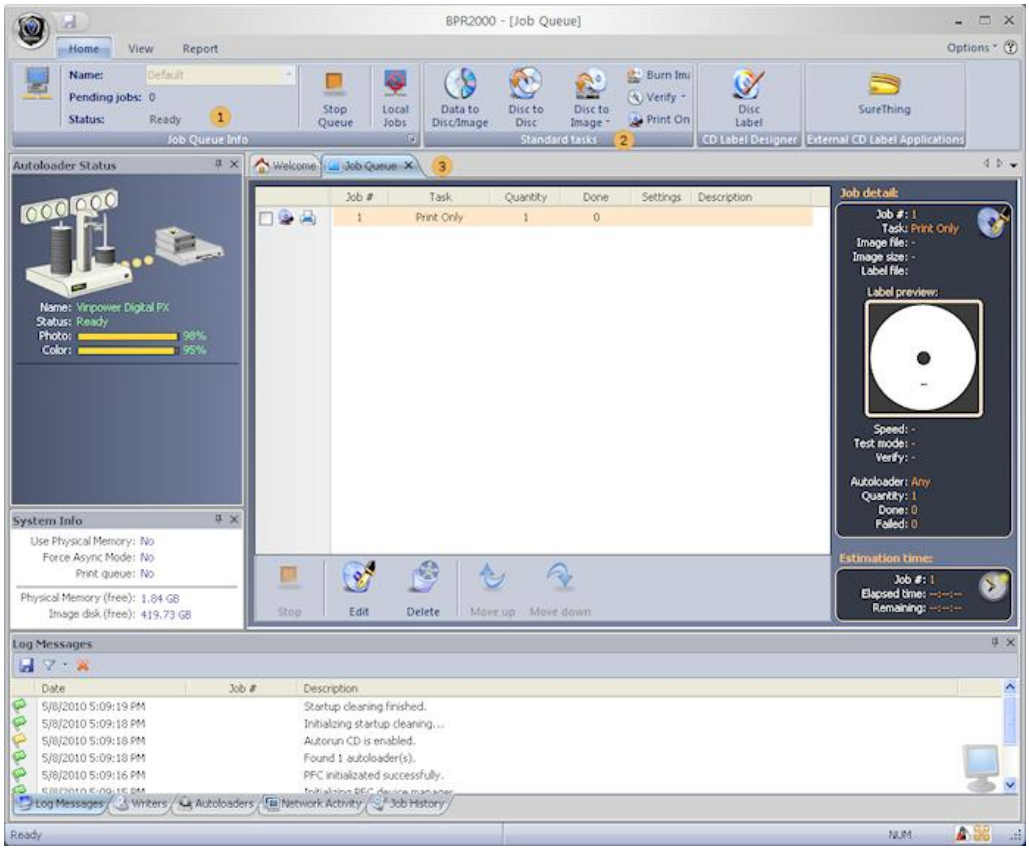
1. **Ease of Use**: A single interface for submitting jobs, monitoring job status, ink levels, configuring drives and printers, and selecting the CD label application.
2. **Support Duplication Tasks**:
   - Disc to Disc
   - Premastering (Data) to Disc
   - Disc to Image
   - Image to Disc (*ISO*, VCP and *CDI* formats)
   - Print only
3. **Job Queue**: Supports the ability to queue multiple jobs for unattended operation.
4. **Increased Throughput**: The architecture of BPR2000 supports the fastest DVD/CD recorders.
5. **Powerful Label Design software**: Label Designer offers users an easy way to design attractive labels – supports the most popular graphics files, strong text editing, and merge field and serial number support.
6. **Multi-master read-in support**: Users can read-in a stack of masters and create *CDI* or *ISO* images.
7. **Other features**:
   - Email notification when jobs are complete or the reporting of an error condition.
   - Ability to determine media write speed using the Media/recorder analysis tool.

Introduction

BPR2000 is a premastering and duplication application that runs under Windows XP Operating Systems. BPR2000 operates using a "Job Queue" that gives users the added benefit of creating a queue of duplication jobs for unattended operation.

The unique features of BPR2000 are the ability to edit jobs in the queue, change priority, see detailed information about the job, including estimated time to completion. In addition, the user can add more jobs to the queue while the system is operating and request an email notification when a job completes or encounters an error.

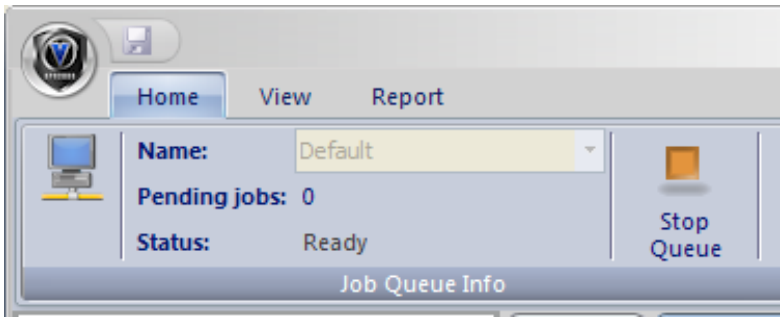
The following is the main BPR2000 user interface which is "Office 2007" like in appearance with the same management control of windows, buttons, etc. The BPR2000 interface offers the user a simple way to customize the appearance of the various status windows.



1 - **Job Queue Status**
2 - **Duplication Tasks**
3 - **Job Queue Window**
4 - **Job Detail**
5 - **Autoloader Status**
6 - **Log Messages**

Job Queue Status:

Provides status of the queue – is it stopped or ready. BPR2000 requires the Job Queue to be ready before any copy or print operation begins.



Duplication Tasks:

BPR2000 supports the following Duplication tasks:

Premastering – selecting Folders/Files and creating a CDI/ISO image or starting the burn operation of one or more blank discs from the selected data content.

Physical master to blank disc copy operation. The master disc is placed on top of the blanks in the input stack before this task is started.

Physical master to image file on PC hard drive. The master is placed in the input stack and loaded to a writer for the creation of a CDI or ISO image file.

Burn Image file on hard drive to blank discs. An image file is selected from the hard drive and blank discs are copied.

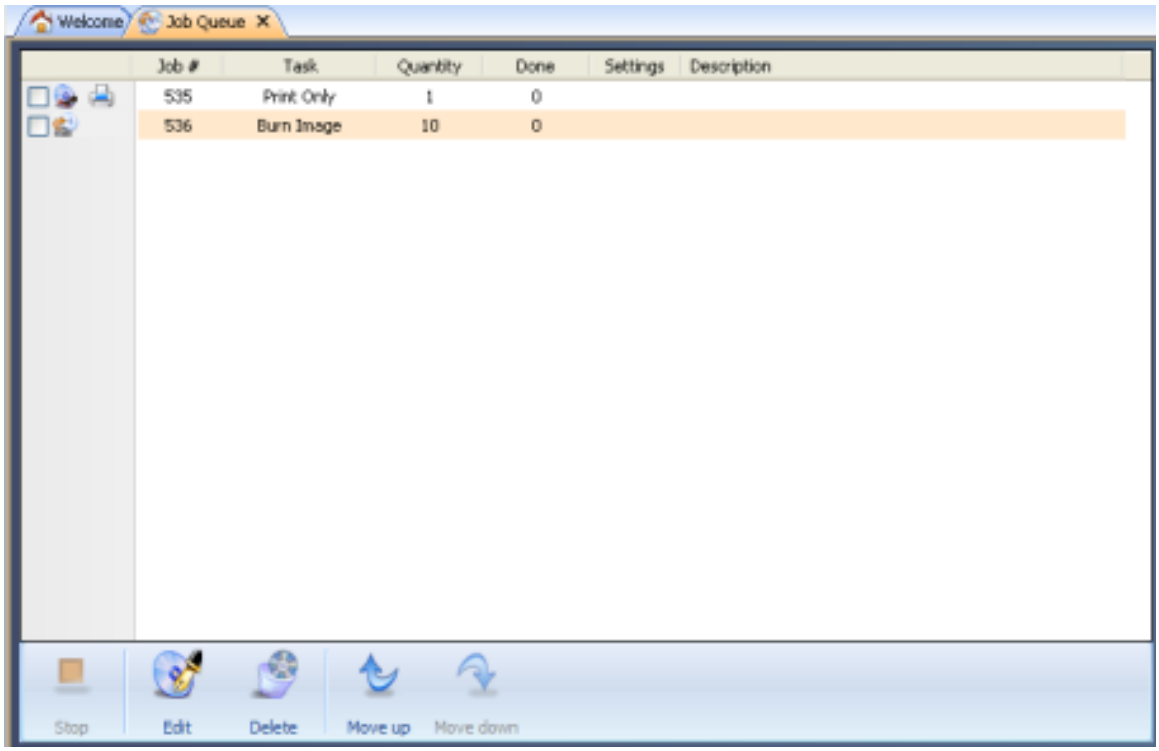
Print only task using the Autoloader.

Verify physical master or image file against duplicated discs from input stack.

Create a disc label.

Job Queue Window:

Shows all the jobs in the queue – users have the option to remove jobs from the queue when complete. If a check is placed in the box next to the job#, then the job will be processed if the queue is in a ready state. If you uncheck a job, it will not be processed. A job can be edited, deleted, or moved up or down in priority.

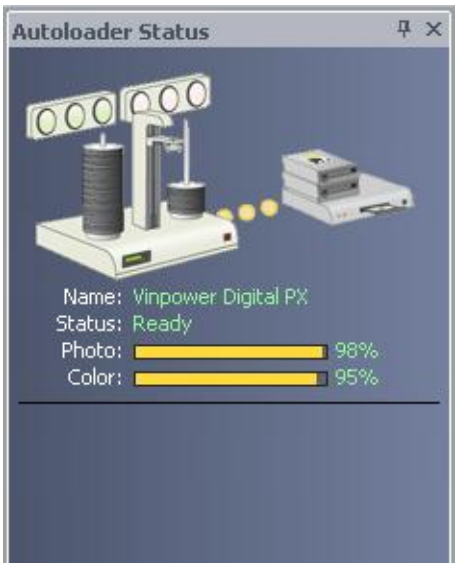


Job Detail:

The "Job detail" information will provide detailed information about the highlighted job – type of task, size of image, label file, speed, etc.

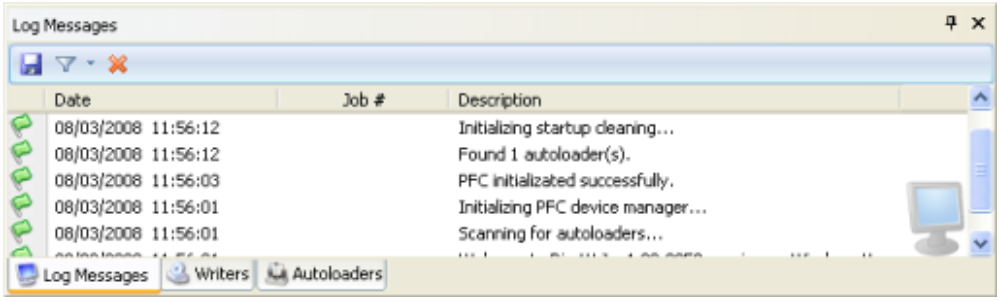
Autoloader Status:

If the autoloader does not show a green "Ready" status, then the user needs to investigate why the autoloader is not ready. The first place to check is the "Log Messages" window. The "Autoloader Status" window also shows the ink level of the individual cartridges or the amount of print ribbon left in the case of a thermal printer.



Log Messages/Writers/Autoloaders:

This is an important section of the application because a user can see if there are any error messages or review the history of a given job. In addition, a user can select the "Writers" tab to observe the status of the writers during the recording process. The "Autoloaders" tab will show the status of the Autoloader and if it is enabled.



Start a Job using "Disc to Disc" Task

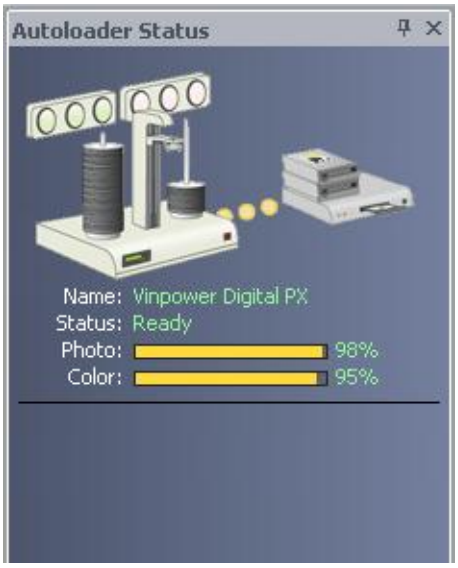
You are now ready to begin a task using your Vinpower autoloader. The next steps will take you through a typical setup and usage of the autoloader.

Load blank inkjet or thermal media into the input spindle depending upon the type of printer connected to the system. Please be sure the media does not stick together and that the media lays flat in the input spindle.

Place a recorded CD or CD-R on top of the blank discs (Note: you can substitute a recorded DVD and blank DVD±Rs if you don't have CD-Rs available). Try and select a CD or CD-R - like the BPR2000 Installation CD - that only has a small amount of information so the test runs faster.

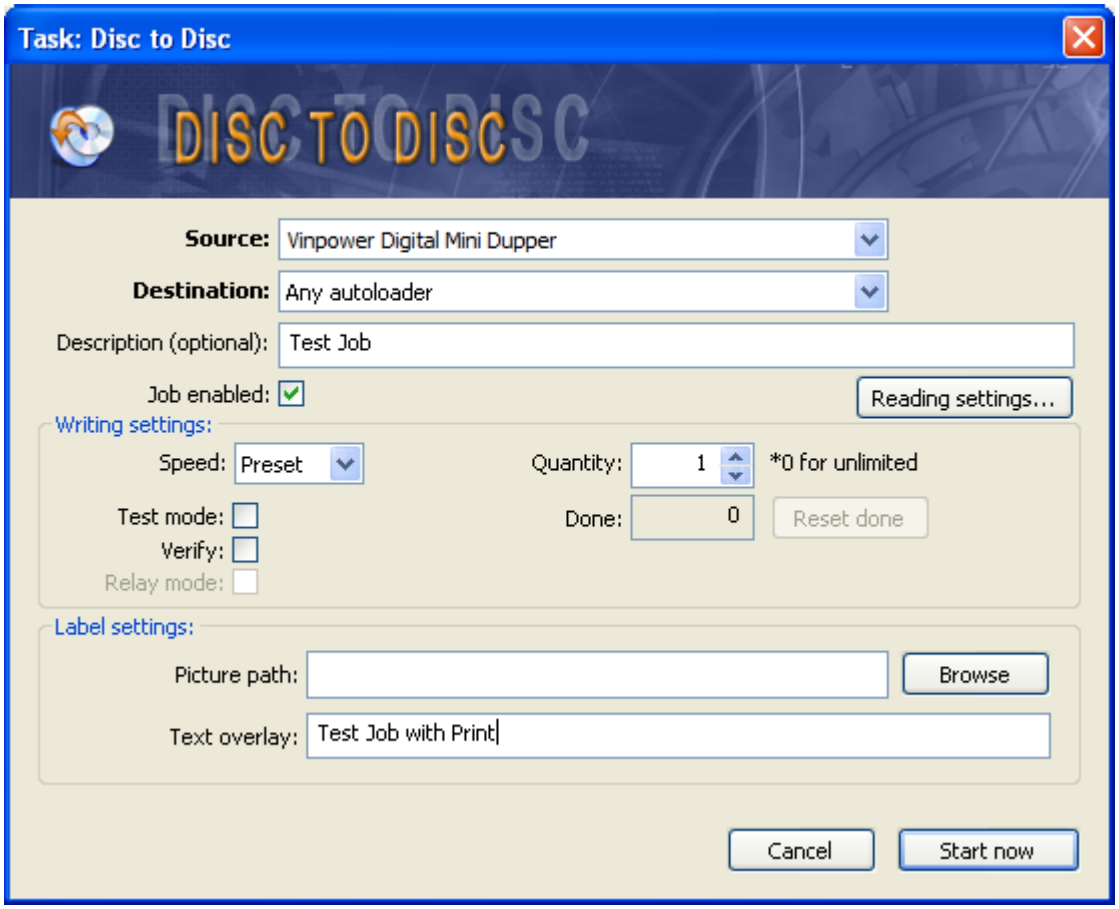
On the Desktop, double click on the **BPR2000 ICON** and BPR2000 will launch.

Confirm that the Autoloader Status window shows "Ready".



Click on the "Disc to Disc" task.

(This task will take the CD or DVD on the top of the Input Stack, create a temporary image to the hard drive and copy from the temp image to the blank discs.)



Step 1: Type "Test Job" in the Description box.

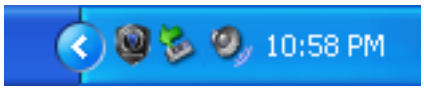
Step 2: Type "Test Job with Print" in the Text overlay box.

Step 3: Click on the "Start now" button.

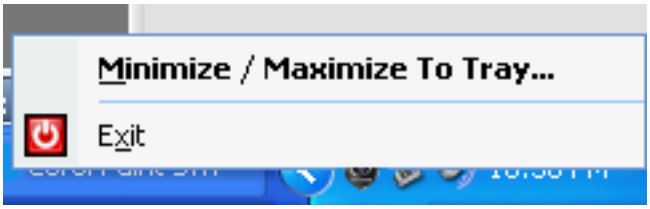
The job will be placed in the Job Queue window and it should start immediately with the autoloader taking the master disc from the top of the input stack, reading it, unloading it, and then loading one blank disc to be recorded and printed.

Exiting BPR2000

When you select the BPR2000 File and Close, BPR2000 is still running but is minimized. To exit the application, right click on the BPR2000 Icon located in the Windows toolbar near the time display as shown by the screen shot below.



Select Exit as show to the right:

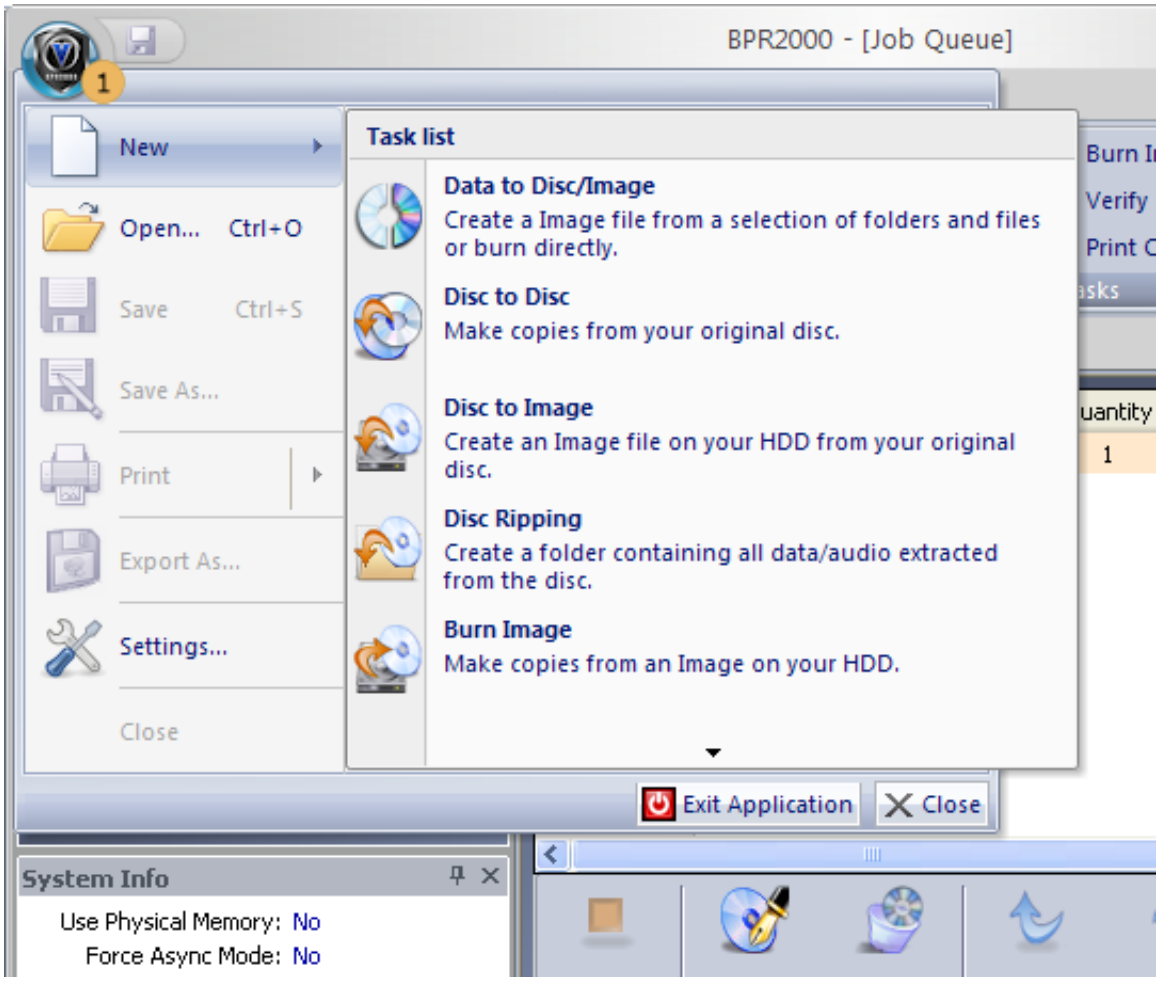


Introduction to Tasks

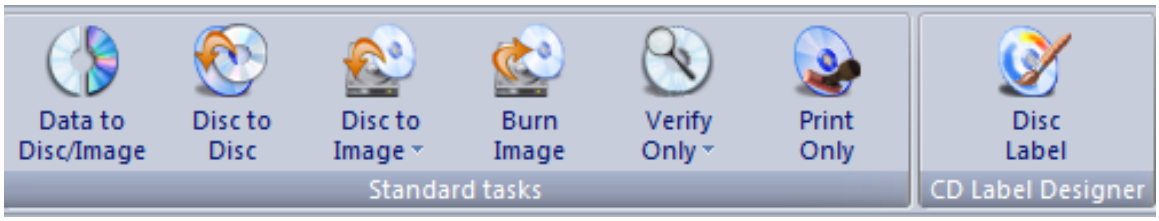
This section presents various ways to make copies using BPR2000. The definition of a "task" in BPR2000 is a set of actions that need to be performed to complete a disc recording, printing, or creating an image file operation.

Task List:

There are two ways to select a task, one way is to click the "File" menu by selecting the symbol in the upper left hand corner 1 and select "New..." command to access the list of available tasks.



The second way is to select one of the Standard tasks from the BPR2000 main interface below:



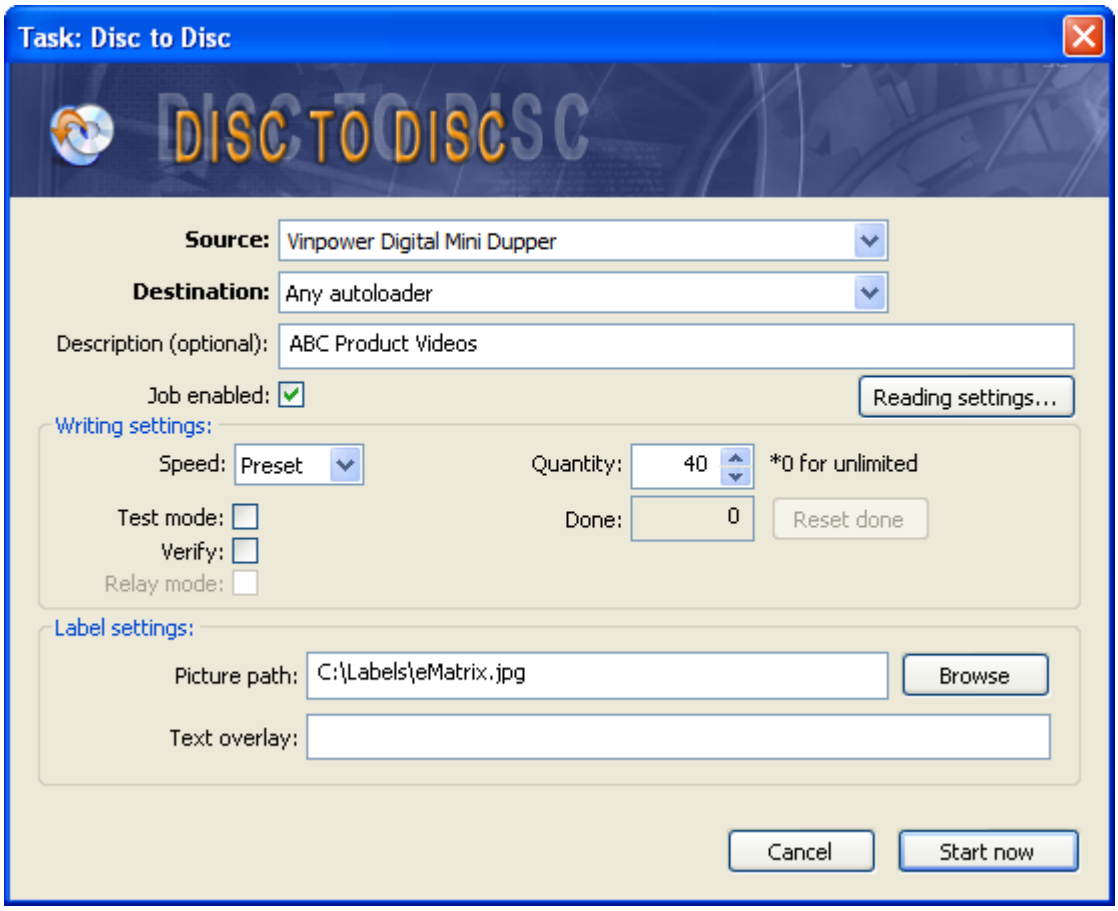
The most popular task is the "Disc to Disc" because most users will want to take a physical CD or DVD master and make copies.

Master disc (placed on the top of the blank discs)

Blank discs

Disc To Disc Task

- Open the *Disc to Disc* task.



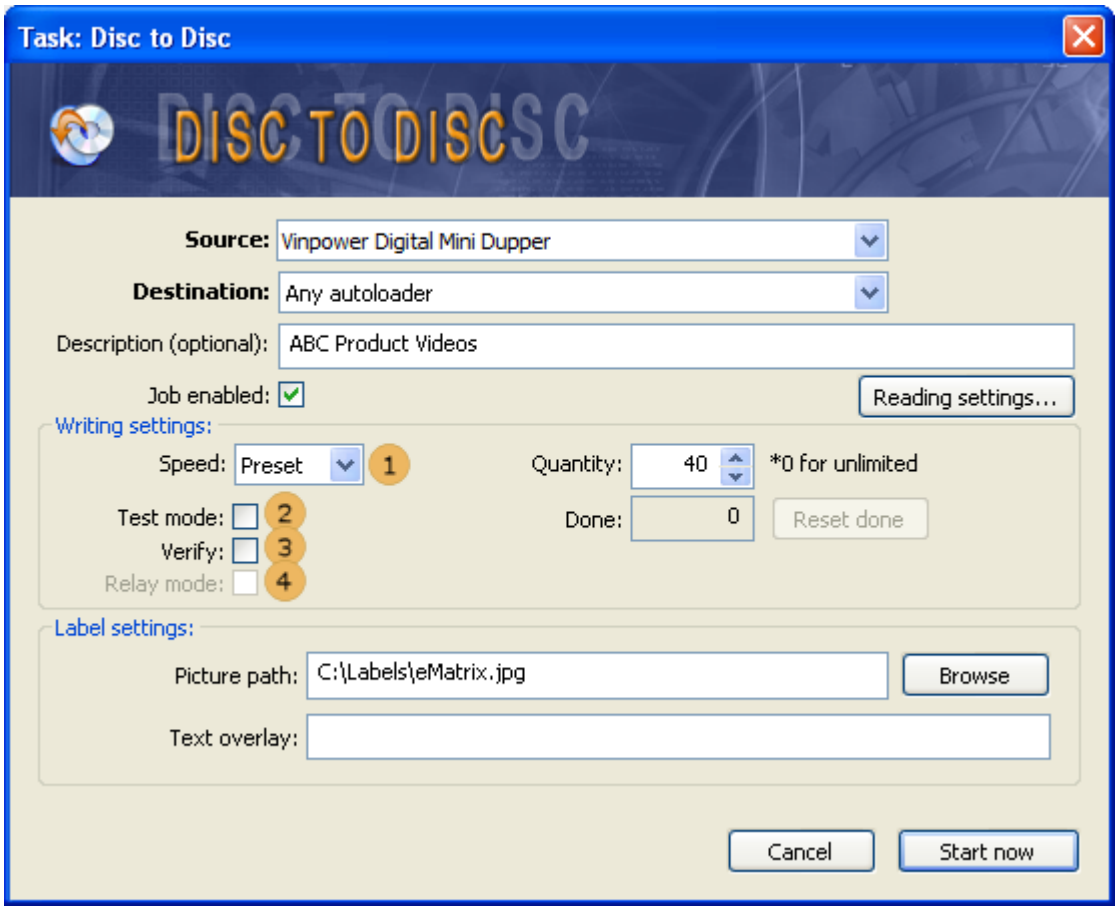
- You have the option to give the job a name – in the above screenshot, the description is "ABC Product Videos".
- Specify the Quantity to copy.
- Select the Browse button to locate your print file (prn, cdi, std, jpg, tif, bmp, png, etc.)
- The text overlay offers users a simple way to place text on the disc label without having to open up a separate label design program. You simply type up to 150 characters which will print five lines centered at the bottom portion of the disc. If you wish to force a line feed, use the pipe symbol **|** between the letters where you want to start a new line.

For example, if you entered the following in the text overlay field – "This is a demonstration CD|North American Operations|February 2, 2008", the following would be printed on the bottom portion of the disc:

This is a demonstration CD
North American Operations
February 2, 2008

- Clicking on the "Start now" will add this job to the job queue. If the job does not begin, check to see if the queue is stopped.

- Other options in the "Disc to Disc" dialog:



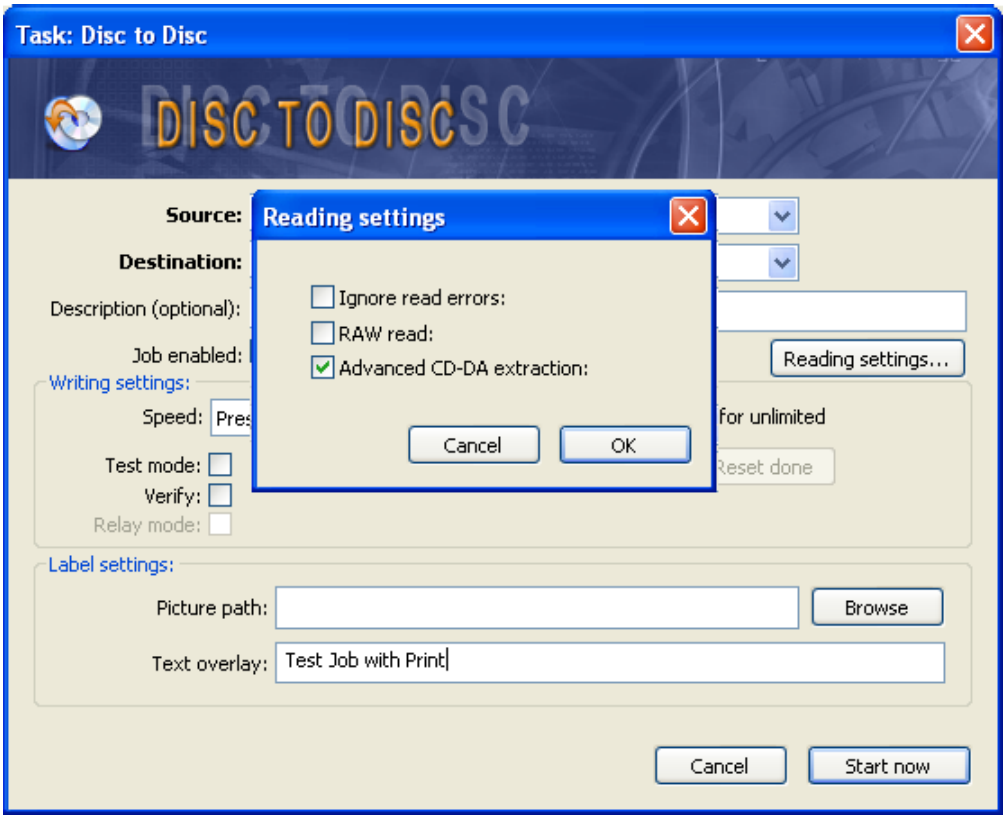
Writing Speed: 1 The application is preconfigured to use a preset write speed. To select a different speed, go to "File -> Settings -> Defaults" and disable "Use preset speeds".

Test mode: 2 Will not record on CD-R or DVD-R. **DVD+Rs do not support test mode and will be written**.

Verify: 3 The disc(s) will be verified after the recording process completes. It is a bit-2-bit compare against the temporary image.

Relay mode: 4 Will be available in a future release.

Reading Settings:



The "Reading settings" is discussed in the "Disc to Image Task" section of this manual.

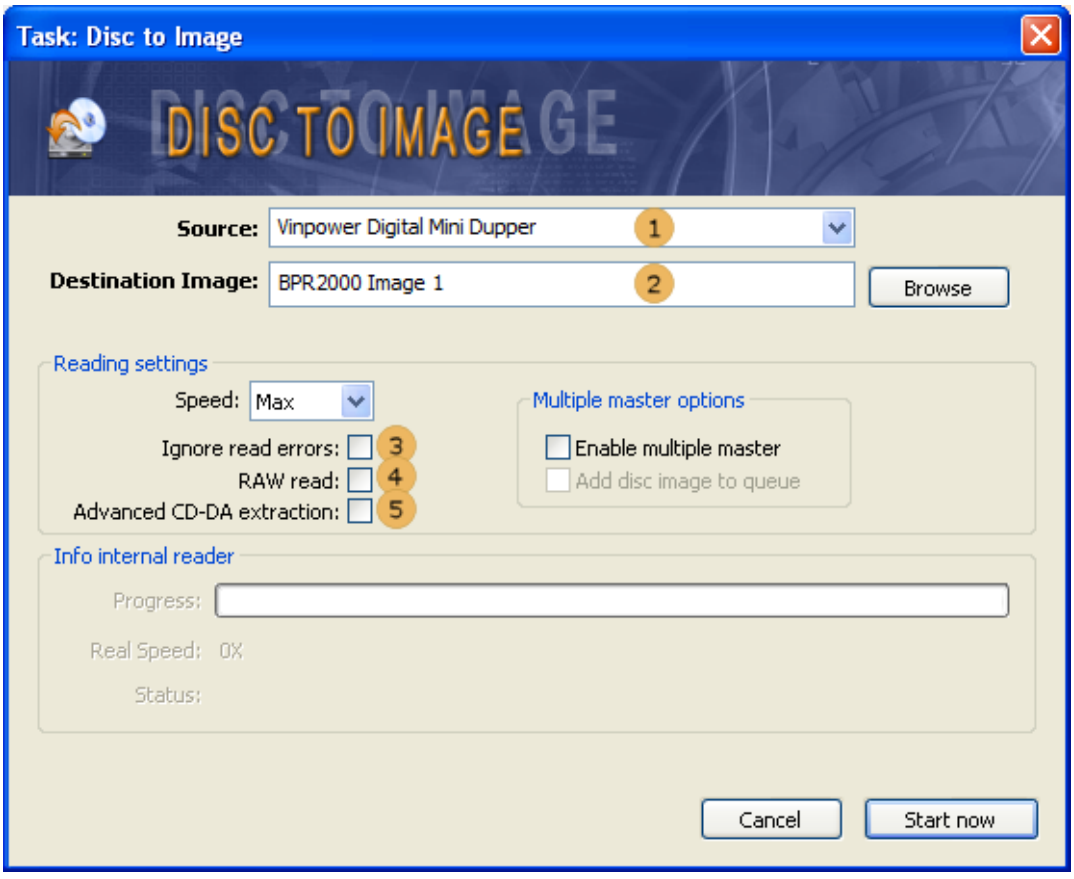
Disc to Image Task

An *Image File* is a file that contains the contents of the master CD, DVD, or BD. A key advantage of the image file is that it can reside on a computer's hard drive and be easily accessed for repeated duplication projects using the program's Burn Image task.

Steps:

- Place the physical master into the input stack of the autoloader.
- Enter Destination Image name.
- Click the Start now button and the physical master will be loaded into a writer.

The following provides more information about the available read options and the ability to read multiple masters that are saved to the PC's hard drive.



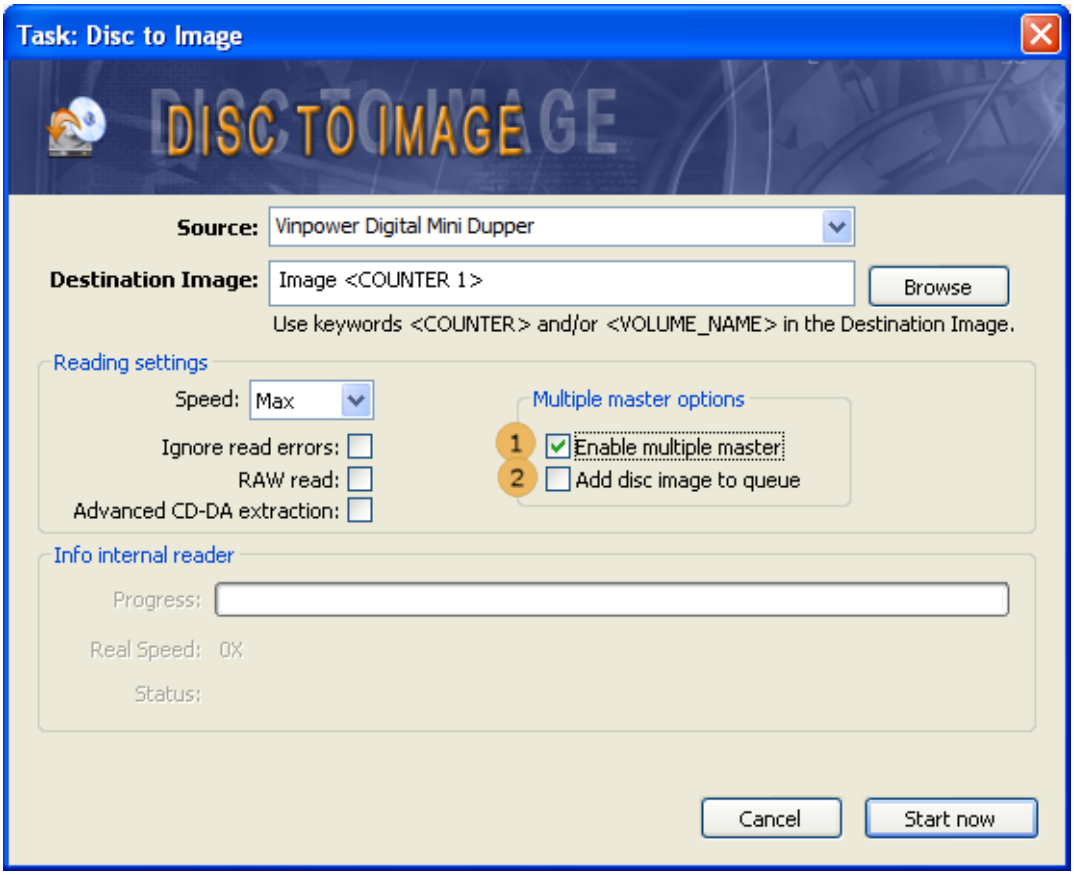
Source: 1 The source can either be the Vinpower autoloader or the PC's internal drive. The advantage of using the internal PC's drive is that you can keep creating images while the Vinpower autoloader is duplicating a job.

Destination Image: 2 This is the name of the image file for future use with the Burn Image task.

Ignore read errors: 3 By selecting this option you instruct BPR2000 to complete the current task even if read errors are detected. Some compact discs will incorporate data that will cause a read error that would normally terminate duplication. This option is useful when you are certain that errors have been introduced intentionally in the source disc or an error may be inconsequential (e.g. on a Video CD).

RAW read: 4 RAW read will disable the source drive hardware error correction while RAW write will disable the automatic hardware regeneration of error correction codes and reproduce the source data "as is" using, whenever possible (not all writers allow this option).

Advanced CD-DA extraction: 5 This option will slow down the Audio CD extraction process because it will extract the R-W subcodes and CD-TEXT information from one or more masters.

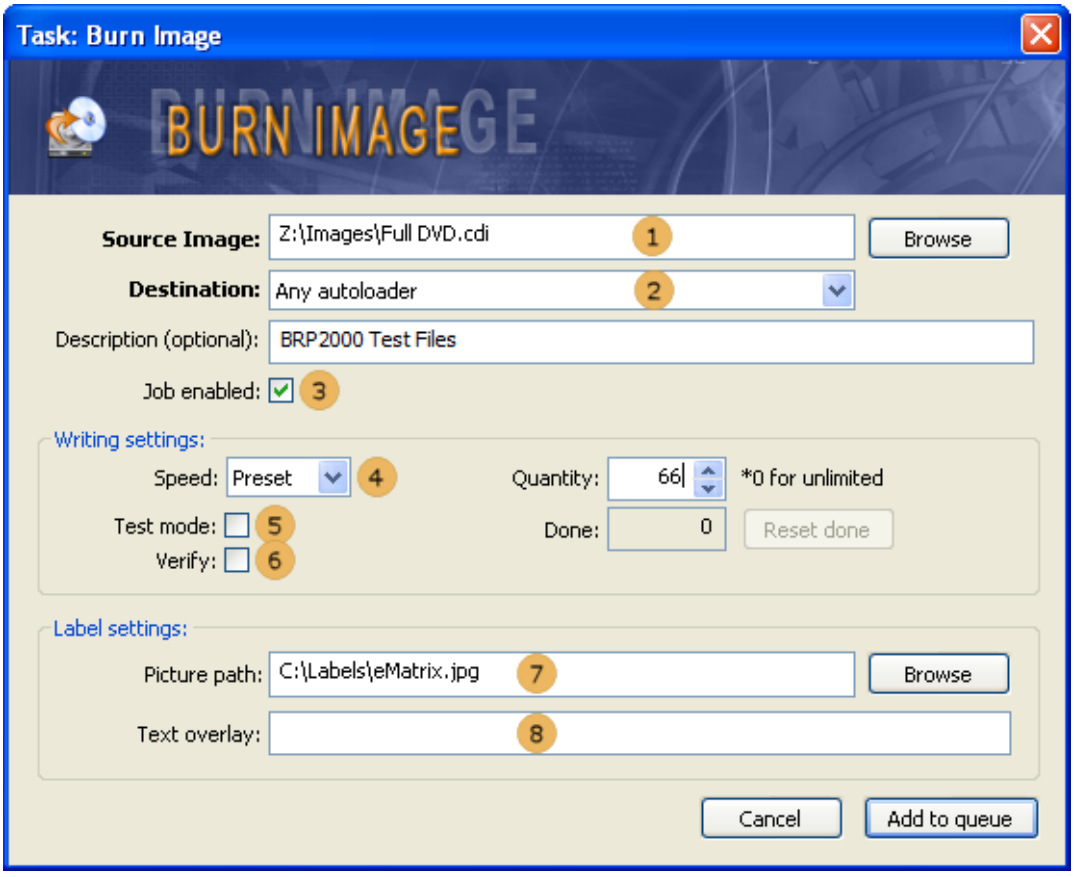


Enable multiple master: 1 If this option is checked, it will create an image file on the PC's hard drive for every master in the input stack. The screenshot on the top has the name of the Image file as Image 1. The <COUNTER> is a keyword that instructs the program to start with Image 1 as the first image name, Image 2 for the 2nd, and so on. The user also has the option to use the Volume Name (<VOLUME_NAME>) on each master disc as the Image file name.

Add disc image to queue: 2 The option will add a "Burn Image" job to the queue for each master that is read-in using this task. This is useful if you wish to create unique queues for different sets of discs.

Burn Image Task

A *Burn Image* task requires a previously stored disc image file that is stored on the computer's hard drive. This file is called disc image file and has a *.cdi* or *.iso* file extension. Several disc image files can be stored on a hard drive for later use. The number of disc images stored on a computer is limited to available disc space. A disc image file size is approximately 700MB for a full CD. It is recommended to store the disc image files using easy to identify file names in a single directory to allow quick selection.



Source Image: 1 Click the Browse button and select the cdi or iso image you wish to burn.

Destination: 2 This will be the default autoloader.

Job enabled: 3 This will enable the job when added to the queue.

Speed: 4 Default is "Preset". To select a different speed, go to "File -> Settings -> Defaults" and disable "Use preset speeds".

Test Mode: 5 Will not record on CD-Rs or DVD-Rs. **Note**: DVD+Rs do not support test mode and will be written.

Verify: 6 The disc(s) will be verified after the recording process completes. It is a bit-2-bit compare against the temporary image.

Picture path: 7 Click the Browse button to locate your print file (prn, cdi, std, jpg, bmp, tif, or png.)

Text Overlay: 8 Offers users a simple way to place text on the disc label without having to open up a separate label design program. You simply type up to 150 characters which will print five lines centered at the bottom portion of the disc. If you wish to force a line feed, use the pipe symbol **|** between the letters where you want to start a new line. For example, if you entered the following in the text "This is a demonstration CD|North American Operations|February 2, 2008", the following would be printed on the bottom portion of the disc:

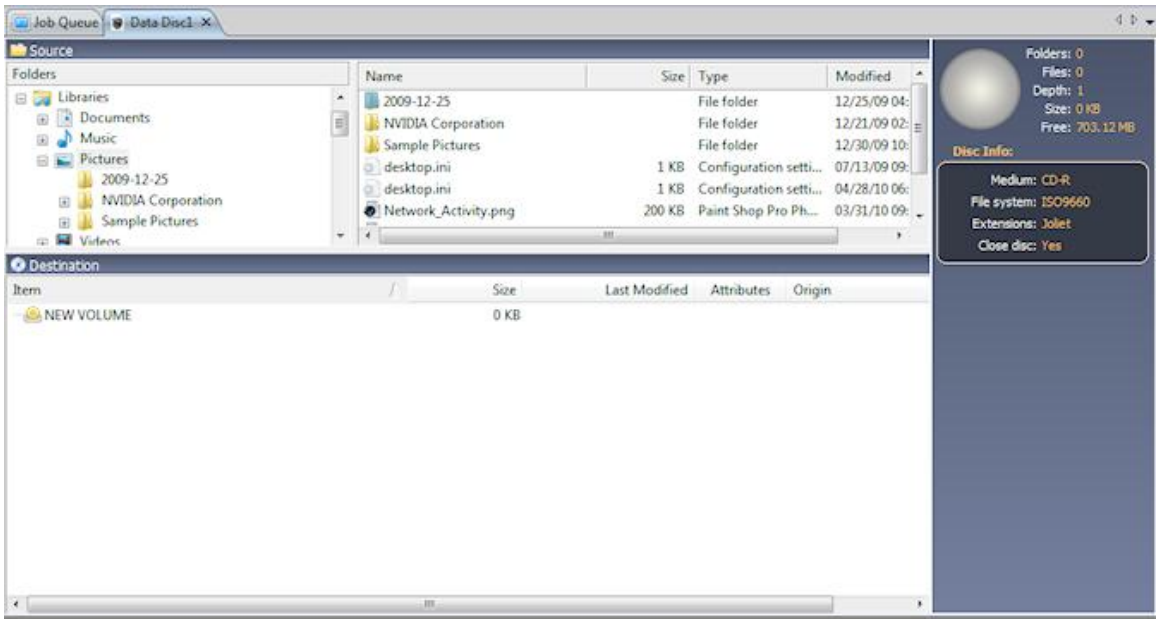
This is a demonstration CD
North American Operations
February 8, 2008

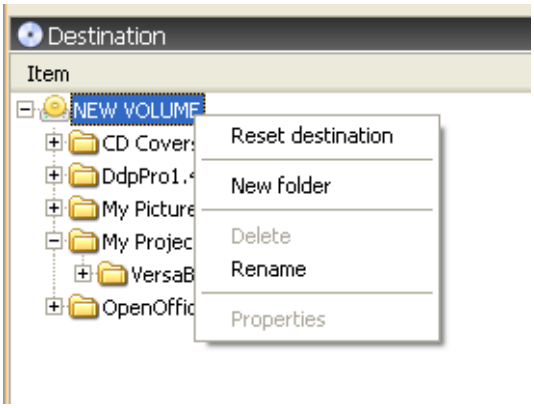
Clicking on the "Start now" will add this job to the job queue. If the job does not begin, check to see if the queue is stopped.

Data to Disc/Image Task

Data to Disc/Image allows the user to select Folders and/or files using an Explorer like window shown below. The user will have the option to create an image file that can be burned using the Burn Image task or the contents can be burned immediately using the "Burn Now" button.

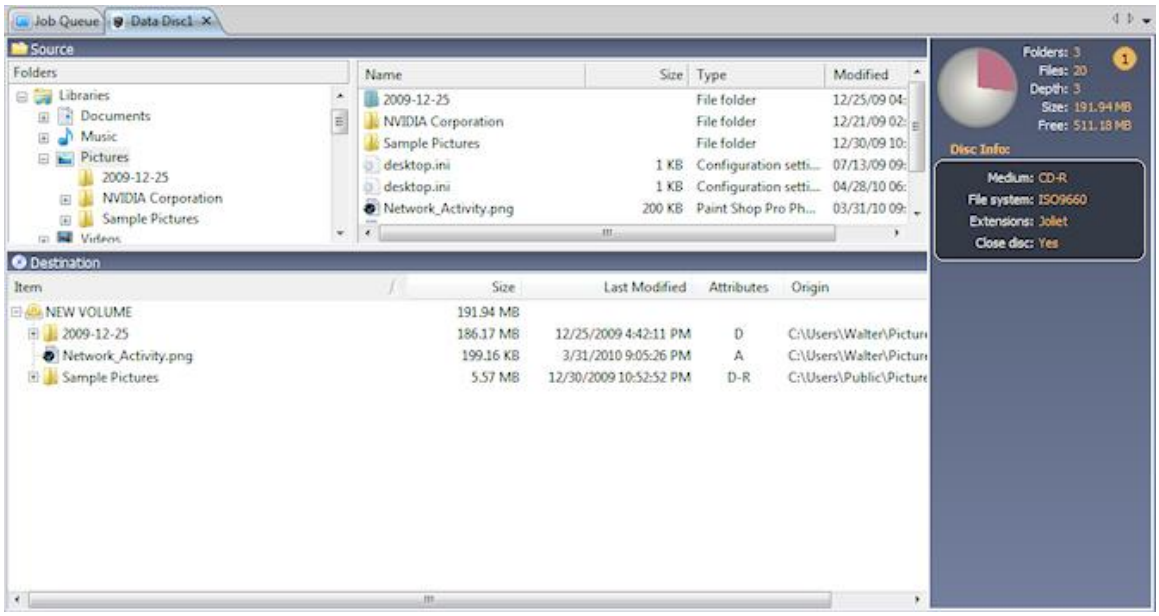
The following document opens after selecting the "Data to Disc/Image" task. Simply drag and drop one or more folders/files to the "New Volume" item.





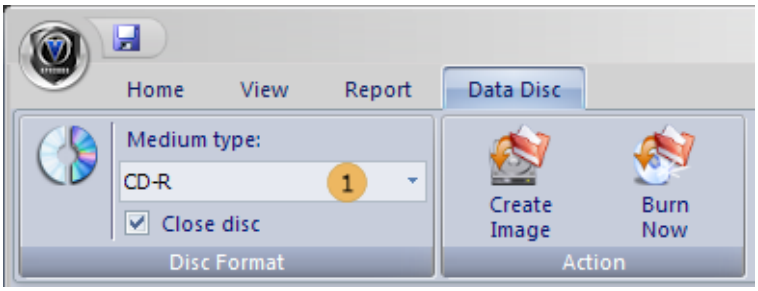
The Volume Name and Folders can be renamed by highlighting the item and clicking the right button on the mouse for the menu above to appear.

The following is an example of some data that has been dragged to the Destination window:

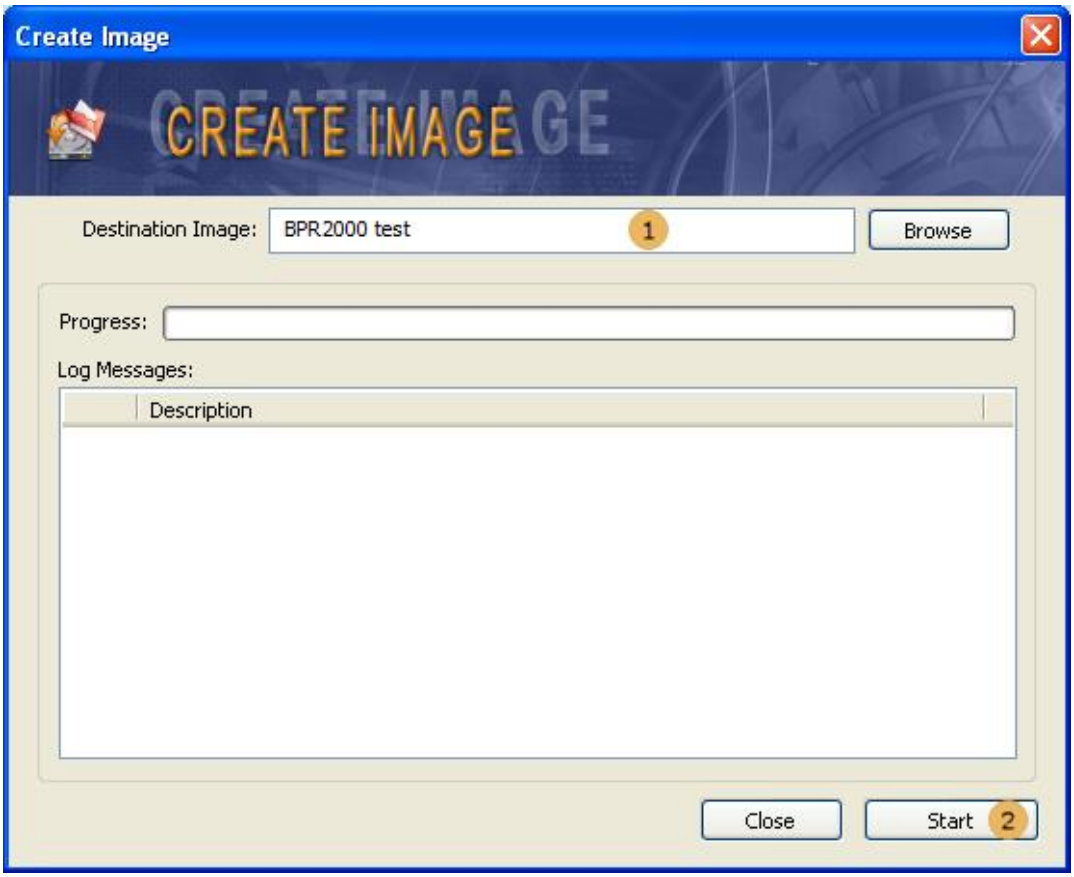


This window on the right 1 shows the details of the disc – number of folders, files, and disc size.

You can change the media type from CD-R to another format by simply selecting the drop down menu below 1:

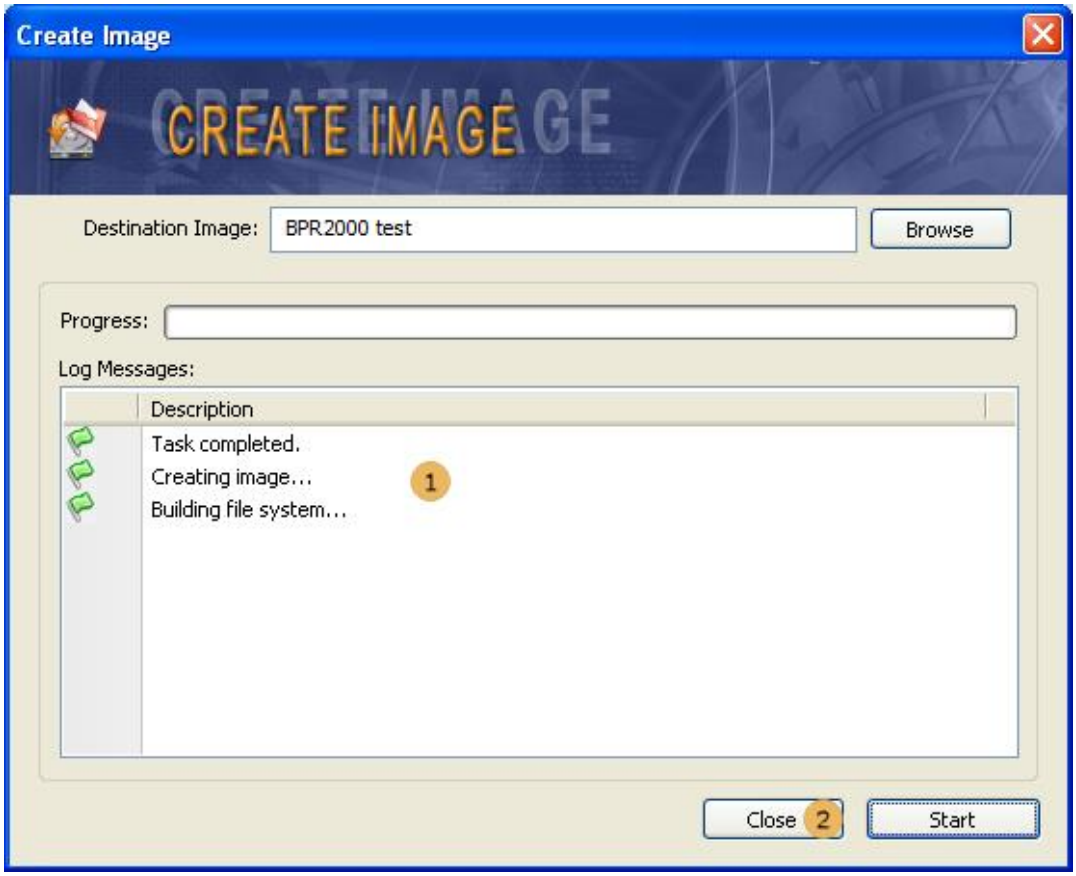


The "Create Image" button will create an image file on the PC's hard drive.



Destination Image: 1 Enter the name of the image file that will be saved to the PC's hard drive.

Start: 2 Click the Start button for the Image to be created.

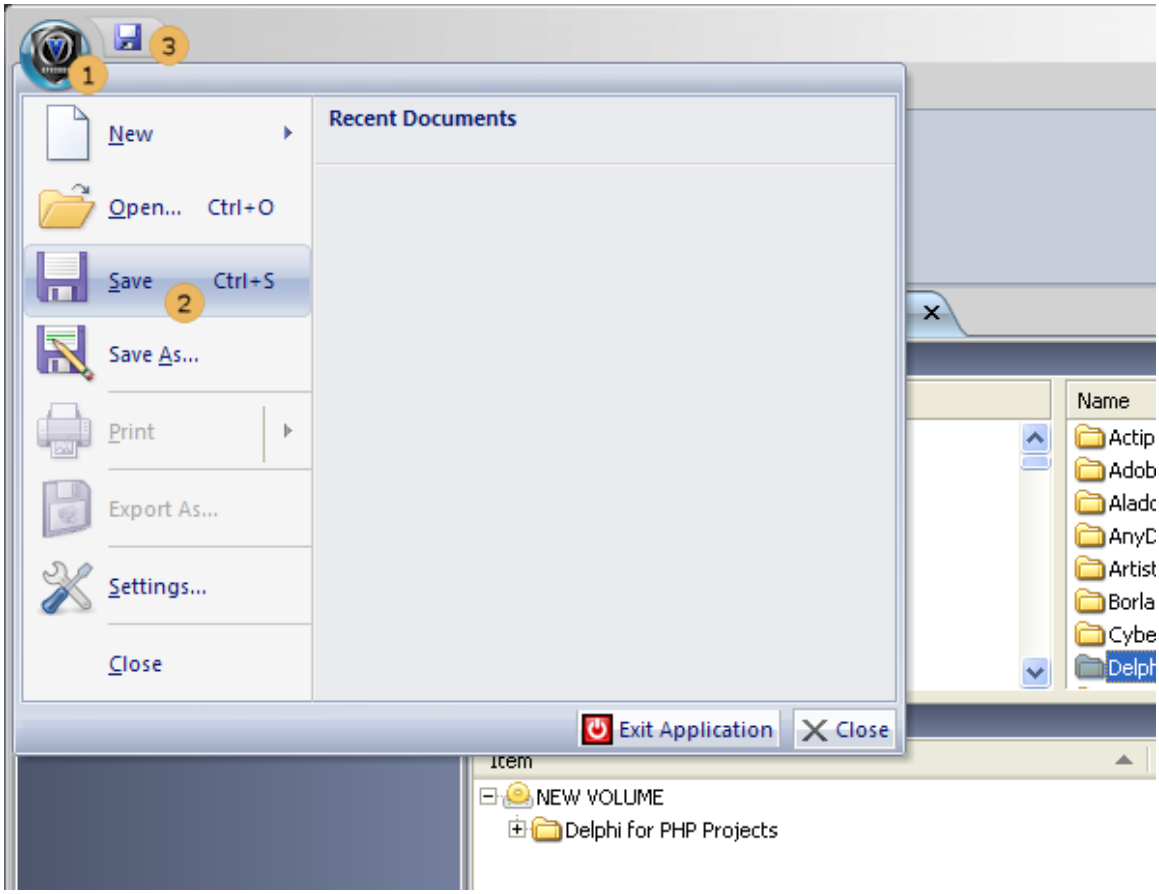


1 This screenshot shows when the image creation process has completed.

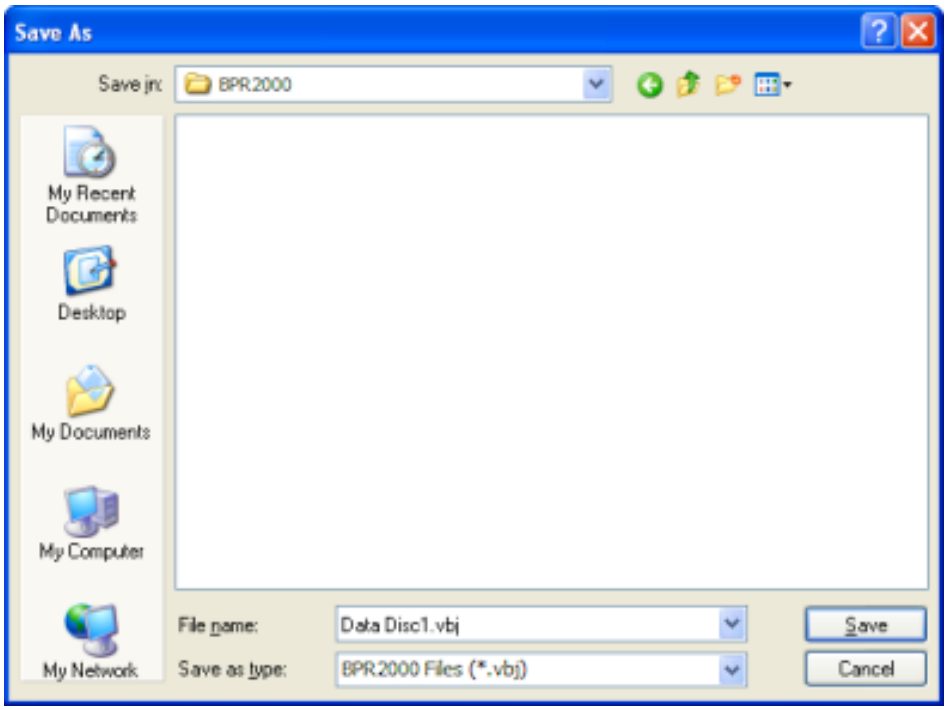
2 Click the "Close" button after the task is completed.

You have the option to save the document which will remember the Folder/File selections you have made by selecting the File command 1 and then clicking the Save button below 2.

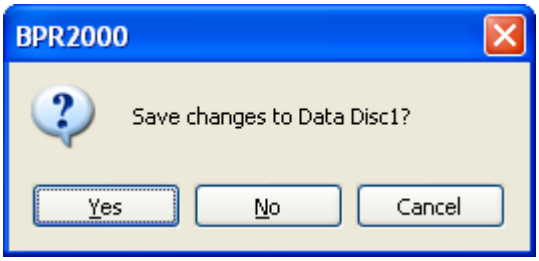
To save the document you can also click on the icon located on the top bar 3.



The document is saved as a vbj (BPR2000 Job) file. This file can be opened by selecting the "File" menu and Open command.

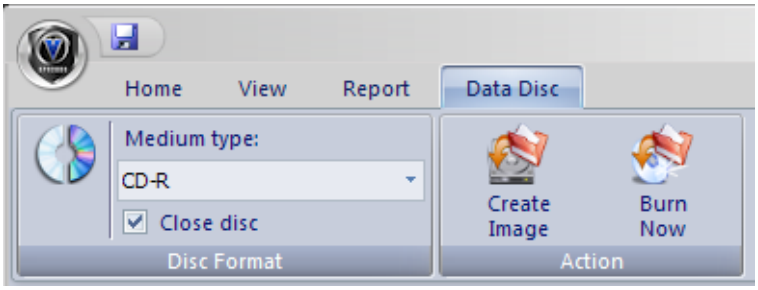


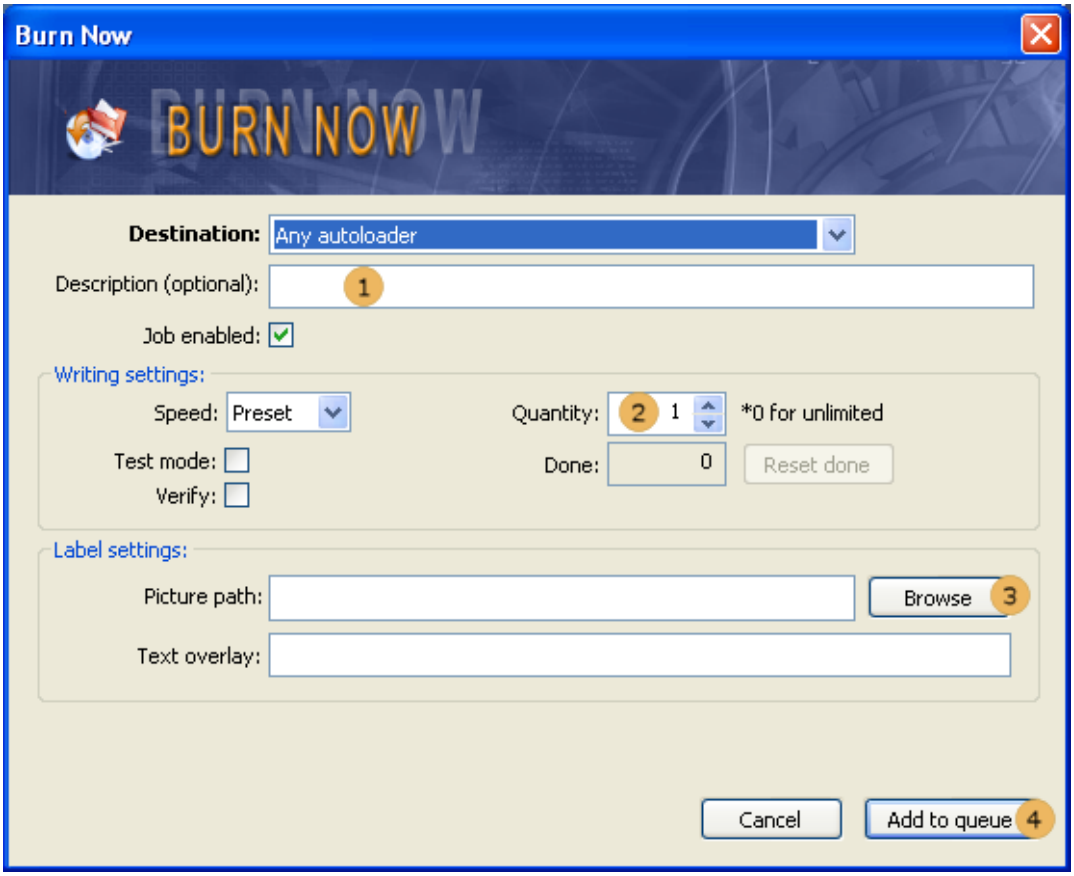
The user also has the option to close the document window and select "No" when the "Save changes to Data Disc1" dialog is presented as show below:



Burning directly from a open premastering document

BPR2000 supports the ability to burn the opened premastering document by clicking on the "Burn Now" icon.





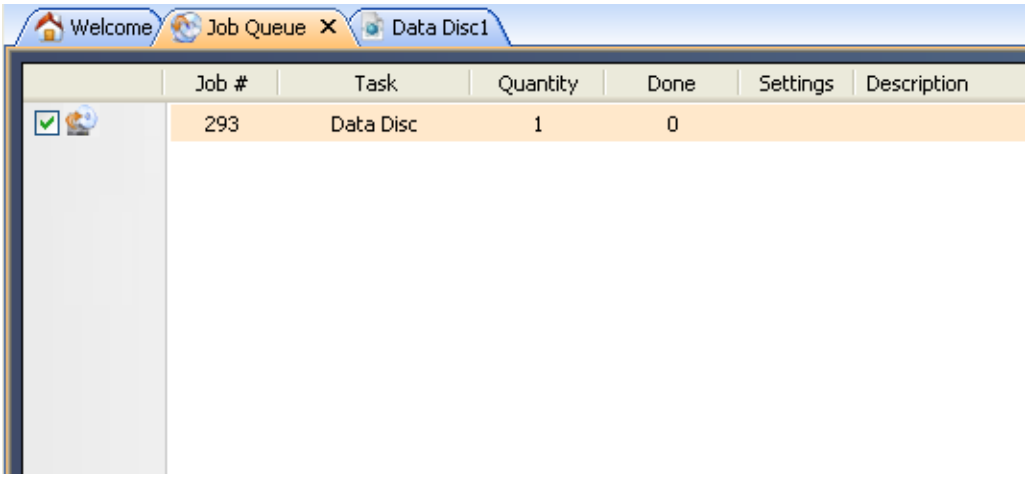
Step 1: 1 Optional Description field - appears in the Job queue window.

Step 2: 2 Specify the quantity.

Step 3: Select the Browse button to select your print file (jpg, bmp, tif, png, std, prn, or cdp files.)

Step 4: Click the "Add to queue" button.

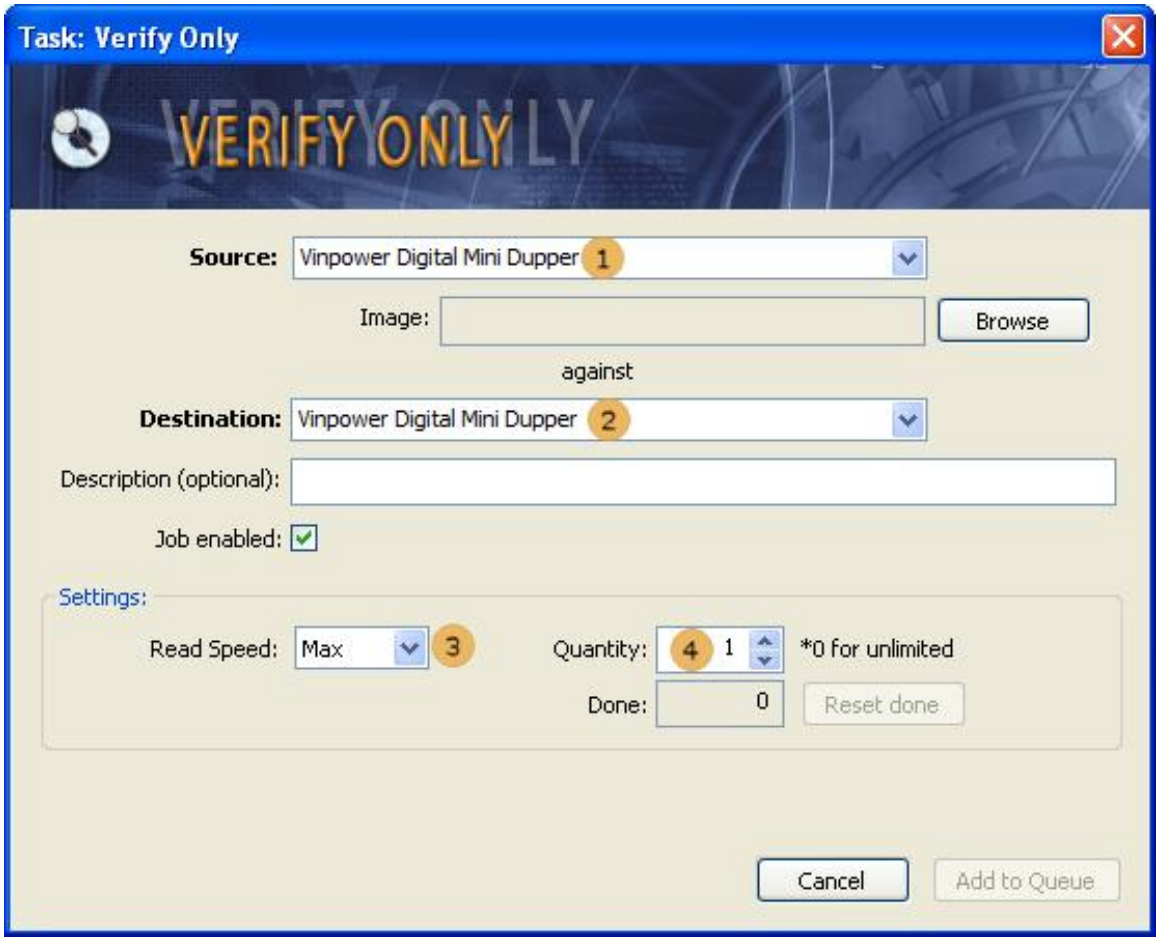
The "Burn Now" dialog will create a task called "Data Disc" as shown in the screenshot to the bottom. The user will have the option to edit the job as long as the BPR2000 application is not closed. Once the application is closed and re-opened, all Data Disc jobs will be removed from the Job Queue. These jobs are temporary as long as the application remains open.



Verify Only Task

The *Verify Only* task supports the verification of recorded discs against either an image file or a physical master. This task can only be used when the job queue is not busy with another task.

Example 1: Physical master against recorded discs:



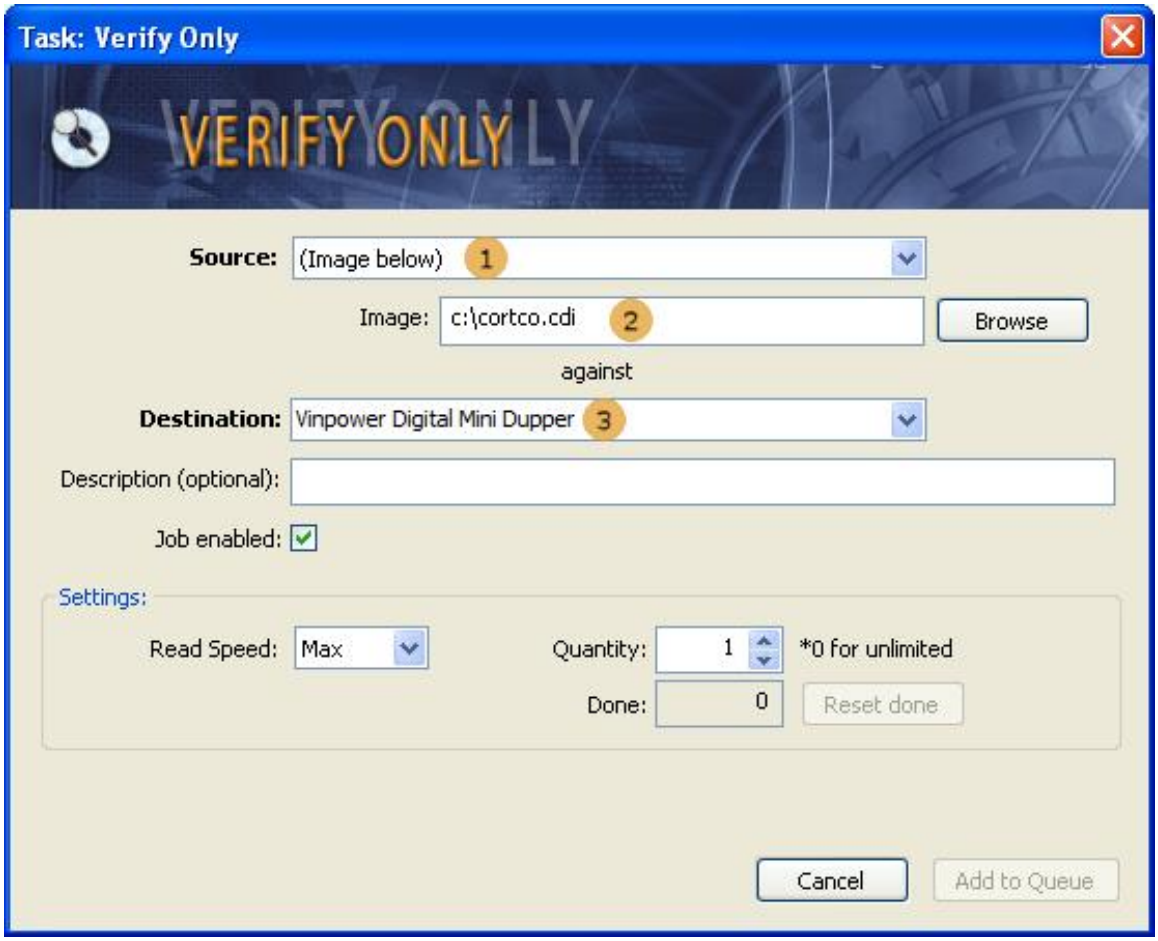
Source: 1 The default source is the Vinpower autoloader. This requires a physical master to be placed on top of the recorded discs in the input stack.

Destination: 2 Only the Vinpower autoloader is supported – no other recorder in the PC.

Read Speed: 3 You can set the speed at which the program will read the data from the recorded discs.

Quantity: 4 Number of recorded discs that will be verified.

Example 2: Image file against recorded discs:



Source: 1 Select "Image below" as in the Source drop down menu.

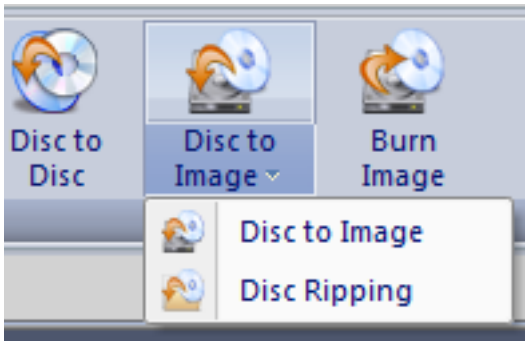
Image: 2 Select a *CDI* or *ISO* image file.

Destination: 3 Only the Vinpower autoloader is supported – no other recorder in the PC.

Ripping Task

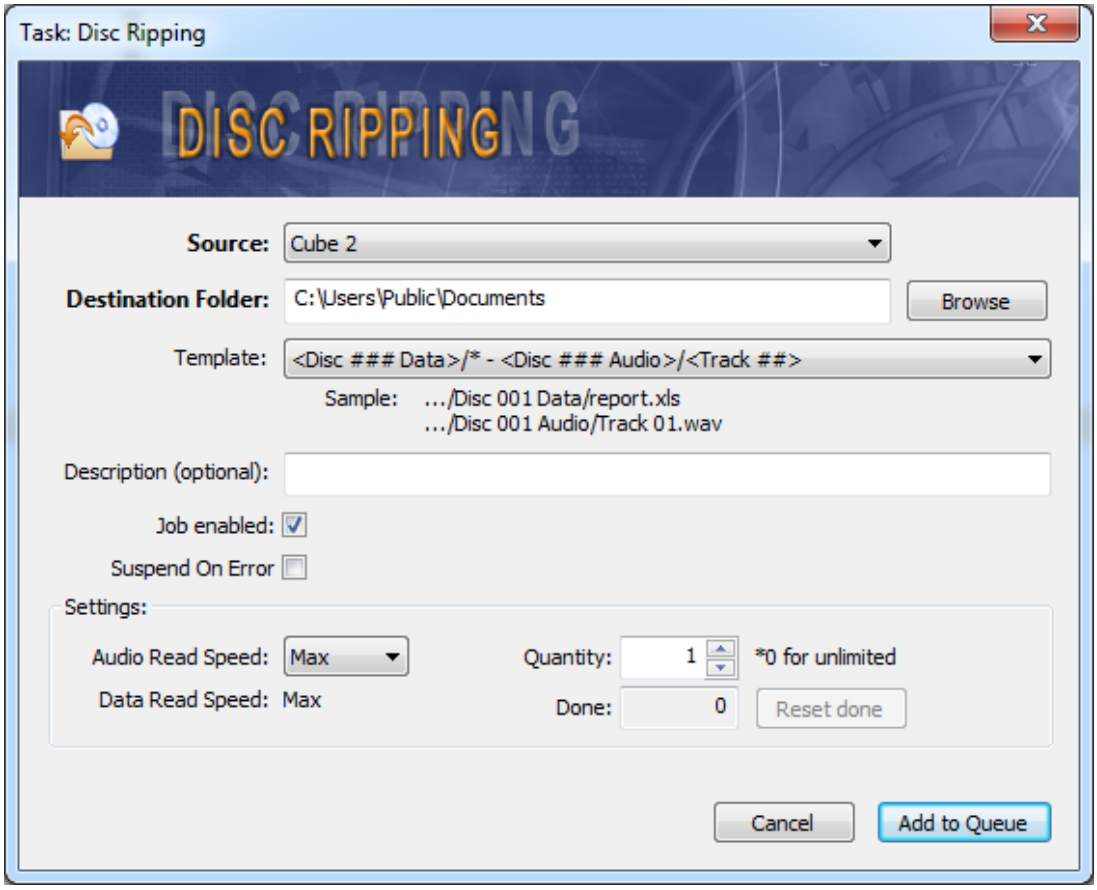
This feature supports the ripping or extraction of information from one or more recorded data or audio discs. In the cast of audio CDs, the music will be extracted to wav files.

To select this feature, click on the Disc to Image task which presents you with two options – "Disc to Image" or "Disc Ripping". Select Disc Ripping.



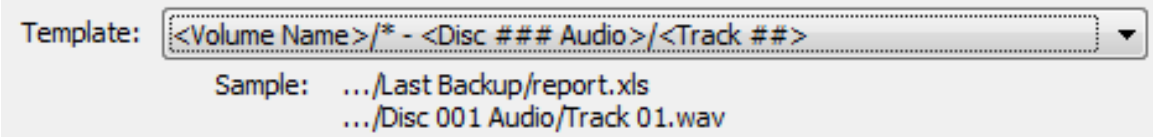
The following window will appear below. The default template creates the following:

- If you are ripping data discs, then the program will create a folder called "Disc 001 Data" and the entire contents of the source disc will be placed in this folder. If you have loaded 10 different data discs, then you will find 10 folders on your hard drive in the Destination folder location. They will all be named, "Disc 001 Data", "Disc 002 Data", "Disc 003 Data", etc.
- In the case of one or more audio discs, the software will extract the music CD and create individual wav files and place them in a folder called "Disc 001 Audio", etc.

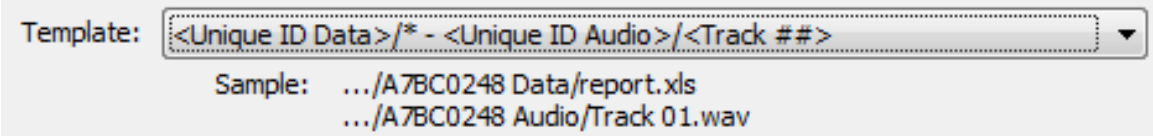


You have the option to select three other templates:

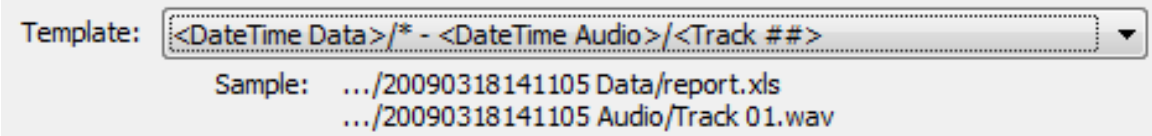
The "Volume Name" template will read the volume name from the source disc and use that name for the destination folder that will hold the content of the source master disc.



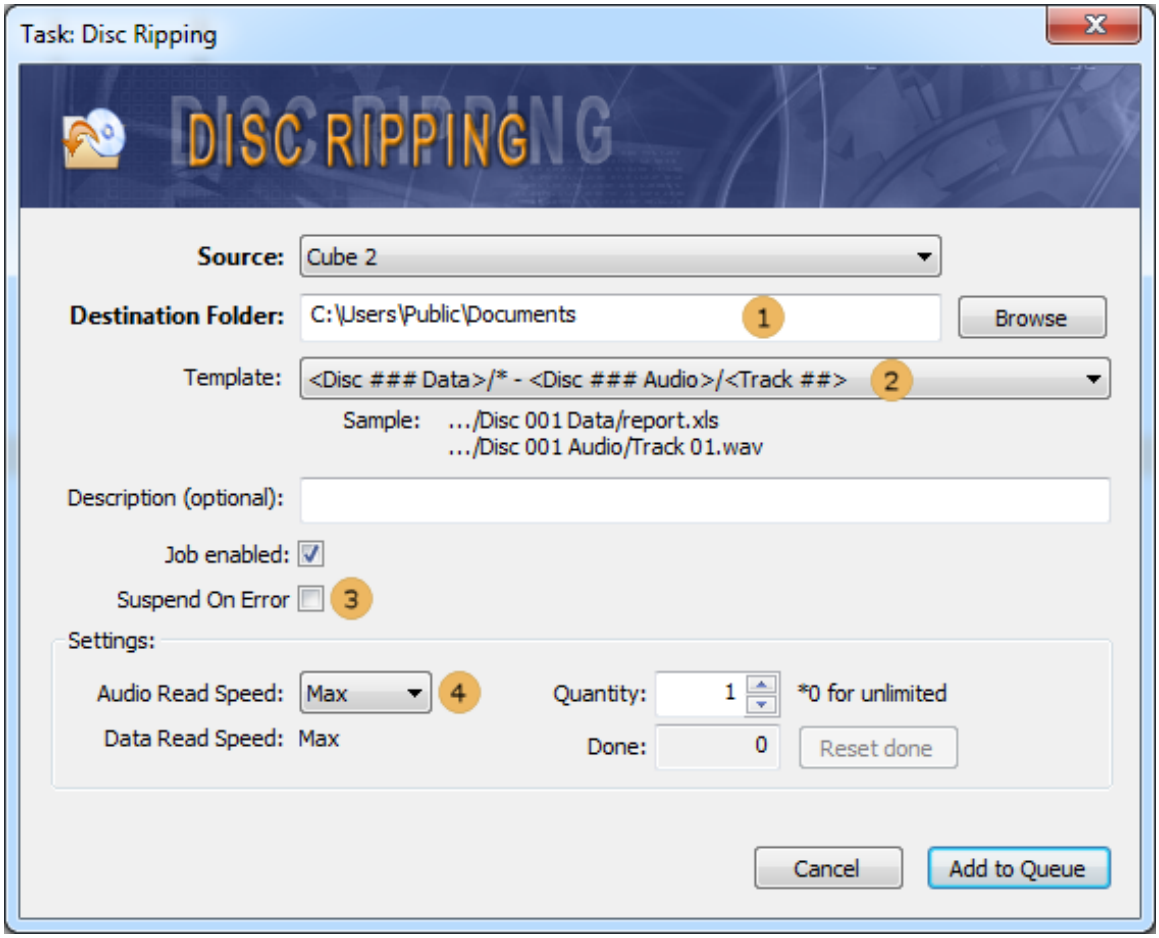
The "Unique ID" template will generate a unique name for the destination folder that will hold the content of the source master disc.



The "Date – Time" template will use the date and military time format for the name of the folder as show below.



Other field information:



Destination Folder: 1 The location for saving the contents of the extracted information from the source discs..

Template: 2 Defines how the source content will be saved in the destination location.

Suspend on Error: 3 If checked, the software will stop if it encounters a read problem with a master.

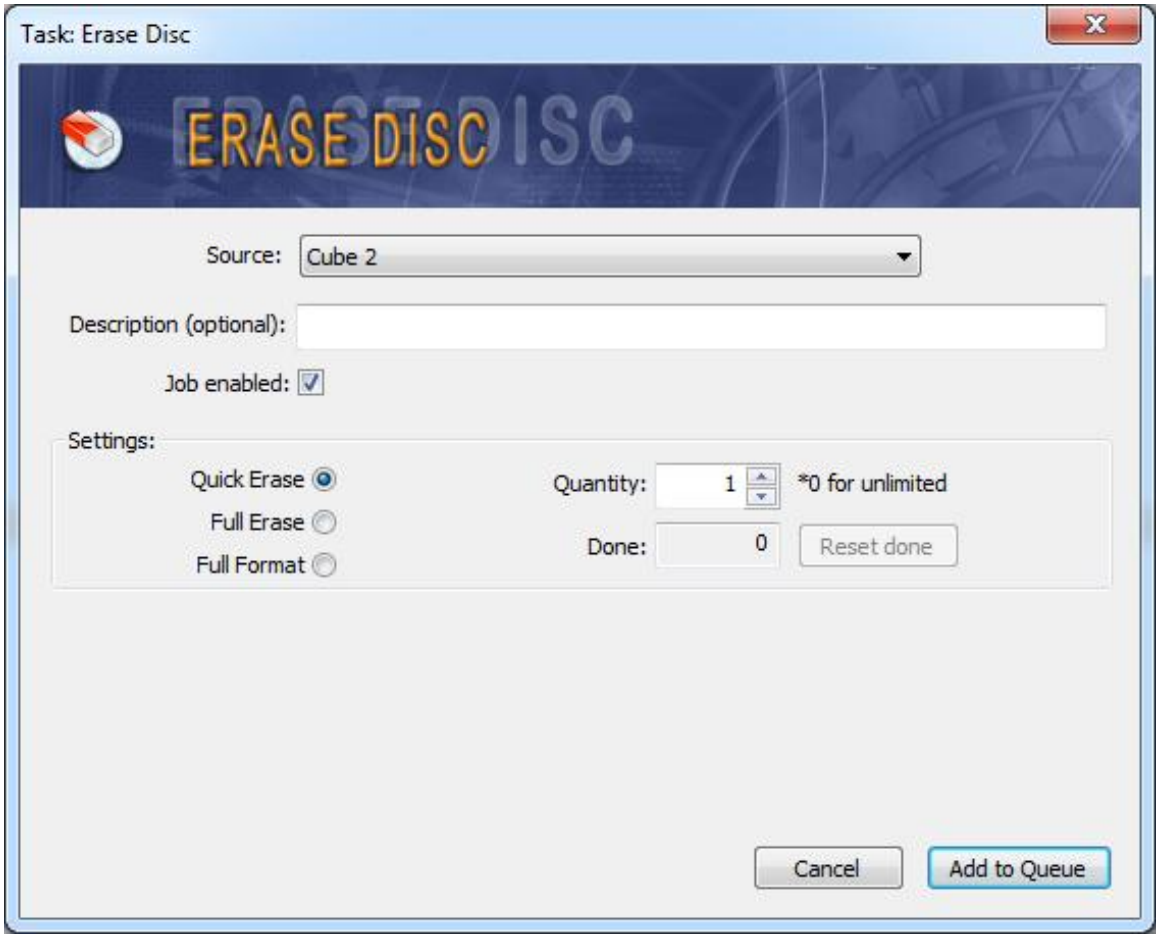
Audio Read Speed: 4 A slower speed is recommended if the source discs are not in good shape.

Erase Task

This task supports the erasing of CD-RW, DVD-RW, DVD+RW, and BD-RW discs in an unattended mode of operation.

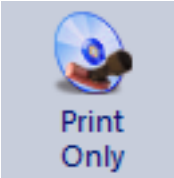
To select this feature, click on the Verify Only task which presents you with two options – "Verify Only" or "Erase Disc". Select "Erase Disc".

The following window will appear below.

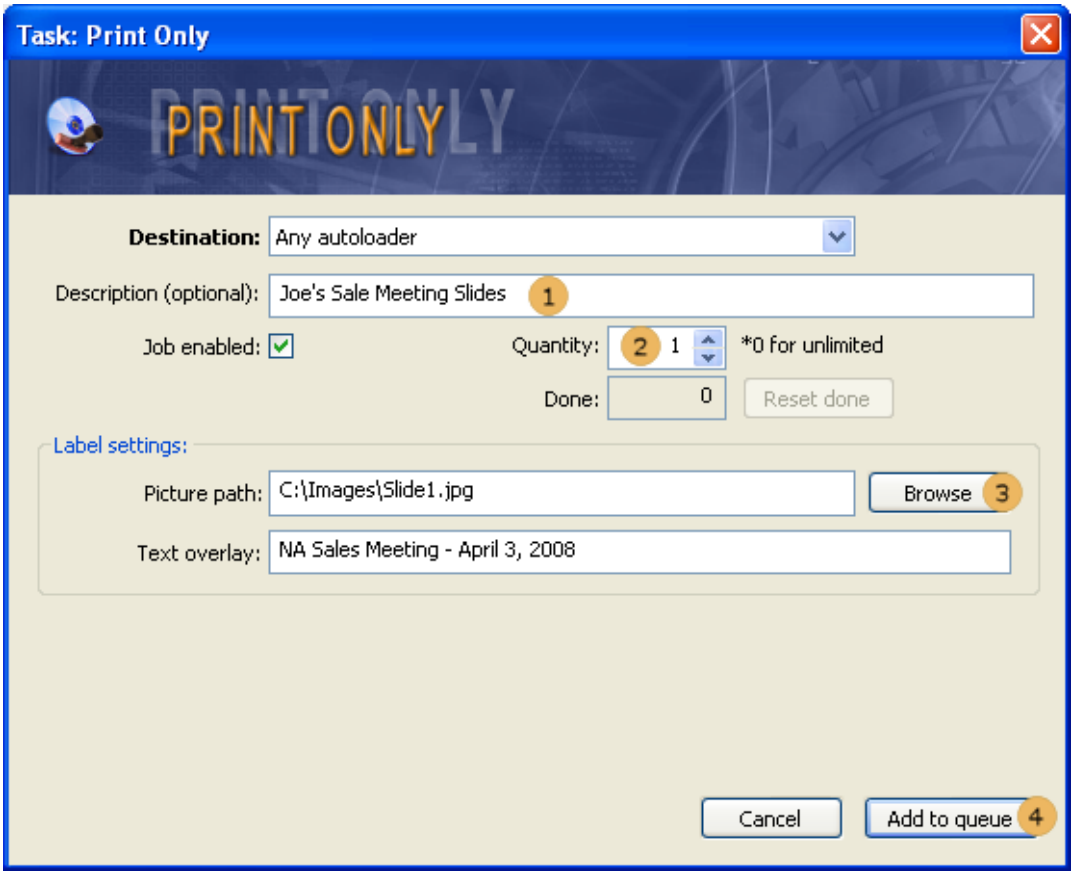


- **Quick Erase**: The "quick erase" just writes a small signature to the start of the disc, indicating that the disc is "empty." This doesn't actually remove the data from the disc. It only makes it appear empty so it can be written again.
- **Full Erase**: The "full erase" does physically clear the entire disc, and it takes as long to do this as it does to burn an entire RW.
- **Full Format**: You must format a CD-RW if you want to drag and drop files to it and be able to delete them. If you just want to use a CD-RW disk to "burn" data to like a CD-R disk then no, you don't need to format it. The formatting process will make the disk unburnable until you erase it.

Print Only Task



The *Print Only* task supports the automated printing of labels onto one or more discs, no disc recording occurs. Typically, the Print Only Job is used for labeling pre-recorded discs or labeling blank discs that may be recorded in the future.



Step 1: 1 Optional Descripton field - appears in the Job queue window.

Step 2: 2 Specify the quantity.

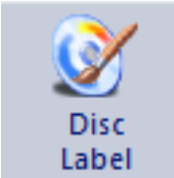
Step 3: Select the Browse button to select your print file (jpg, bmp, tif, png, std, prn, or cdp files.)

Step 4: Click the Add to queue button.

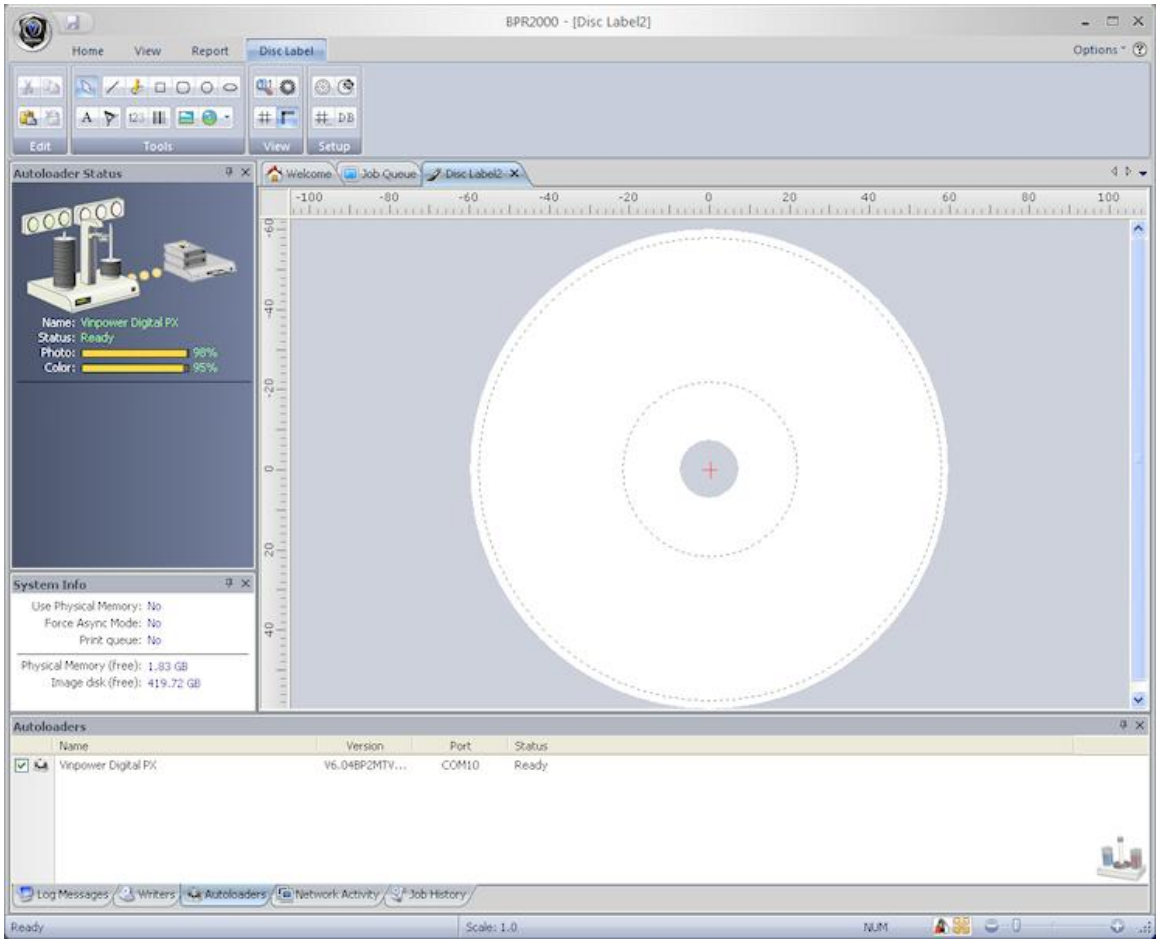
Note: The Text Overlay field is optional – it supports the printing of 150 characters, 5 lines max, at the bottom portion of the disc. Please see "Burn Image Task" help for an example. You can also combine a jpg, png, tif, or bmp file with the text overlay field.

The system will pick and place discs into the printer, and then remove printed discs, which are then placed on the output disc stack.

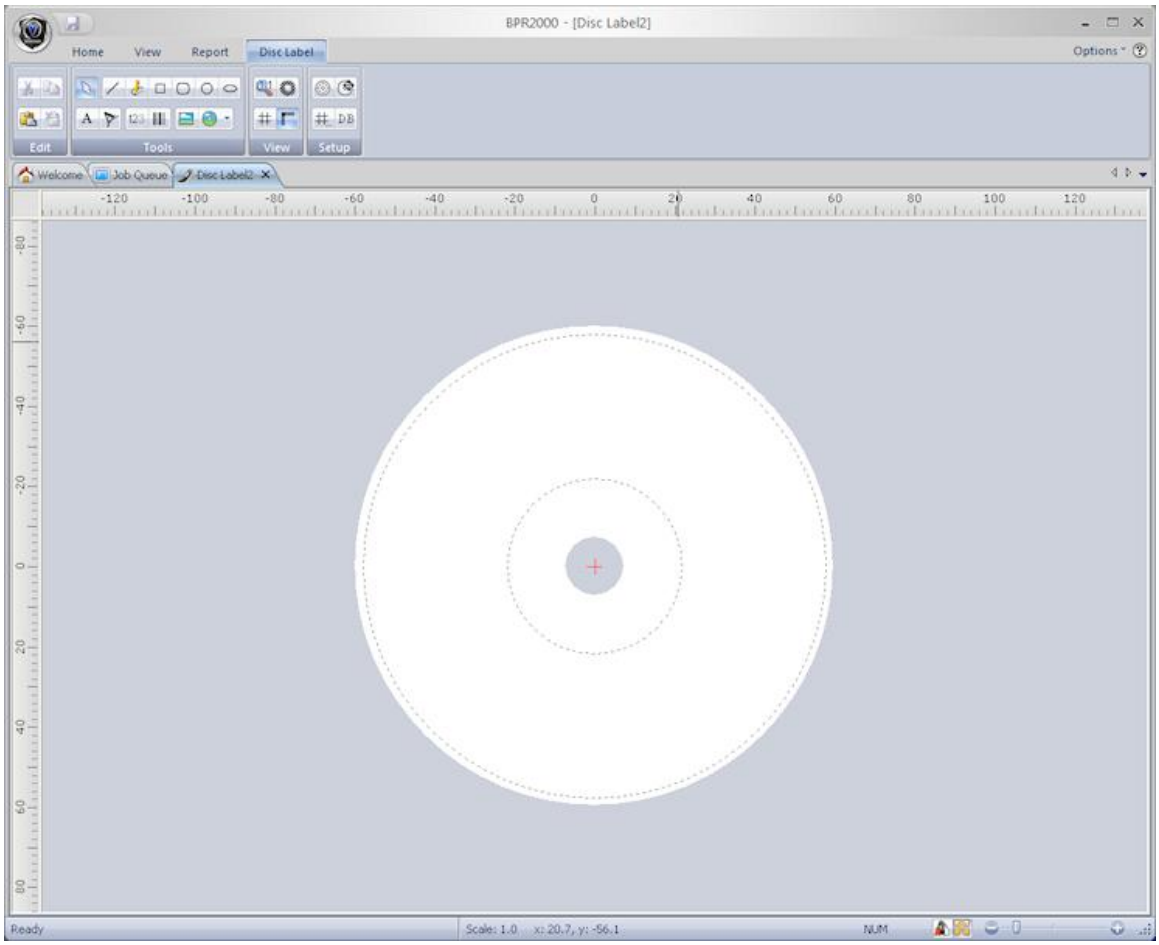
Label Designer Application



BPR2000 includes an easy to use but powerful disc label designer application. To begin, click the icon named "Disc Label" and the following screen will appear.



Tip: It is recommended that you click on the icon located in the lower right hand corner to maximize the working area for your label design creation.

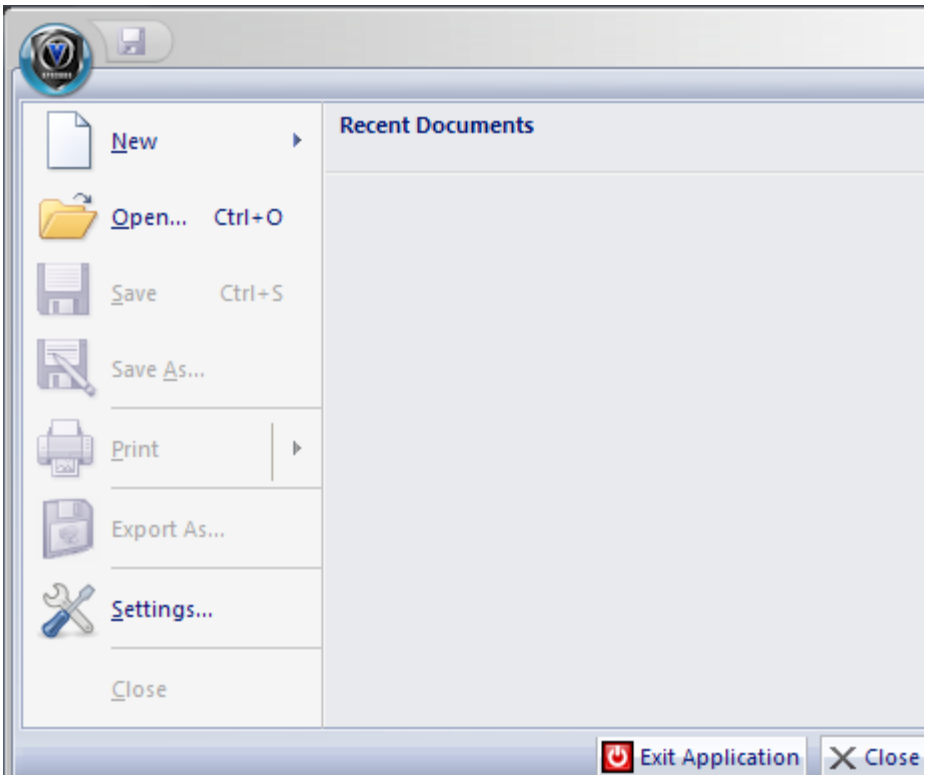


To go back to the original screen layout, click on the lower right hand icon .

Creating and Opening a Label File

To create a new label file, you can either select the "Disc Label" icon or select the "File" icon

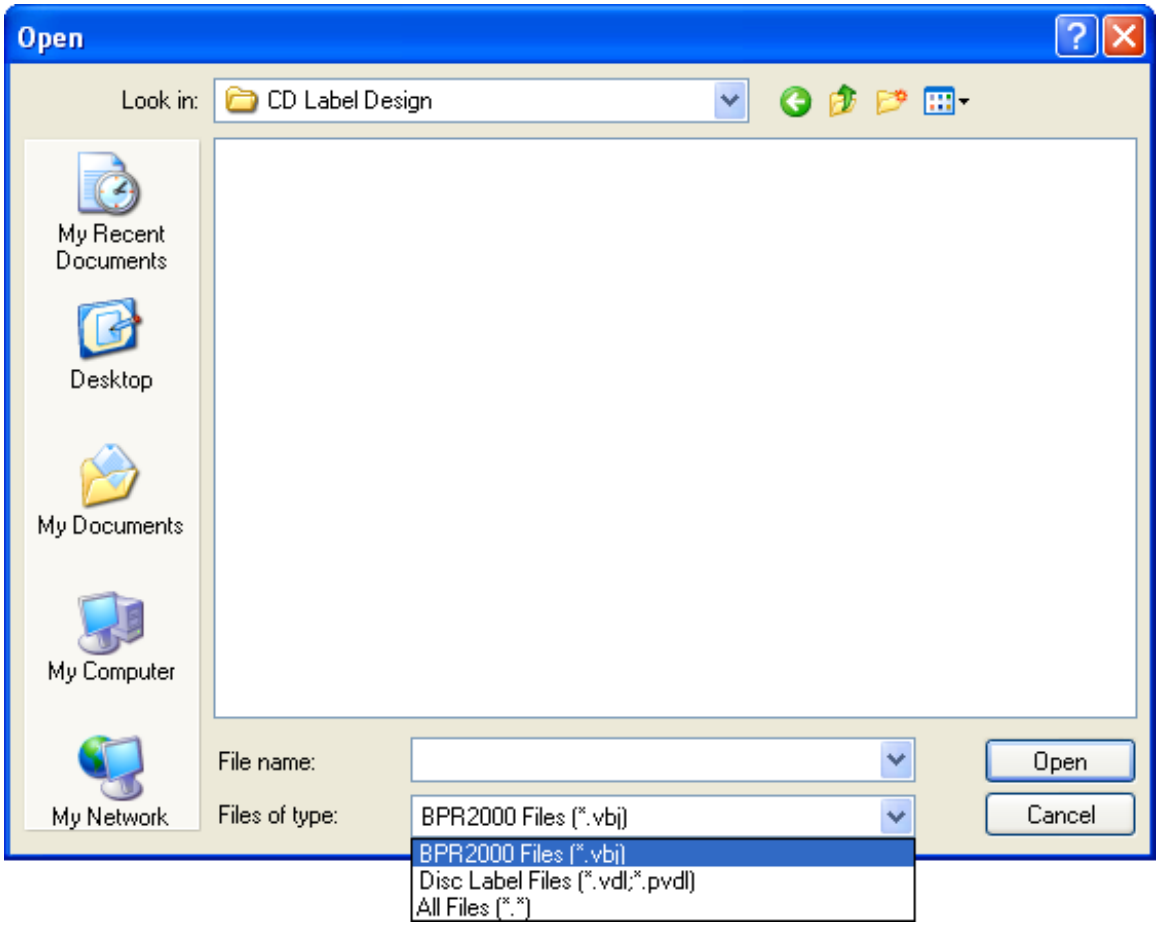
and the following options appearing:



Selecting New and "Disc Label" will open up a blank label design named DiscLabel1. You can begin working with text, graphics, drawing tools, and merge or serial numbers.

Opening Existing Files

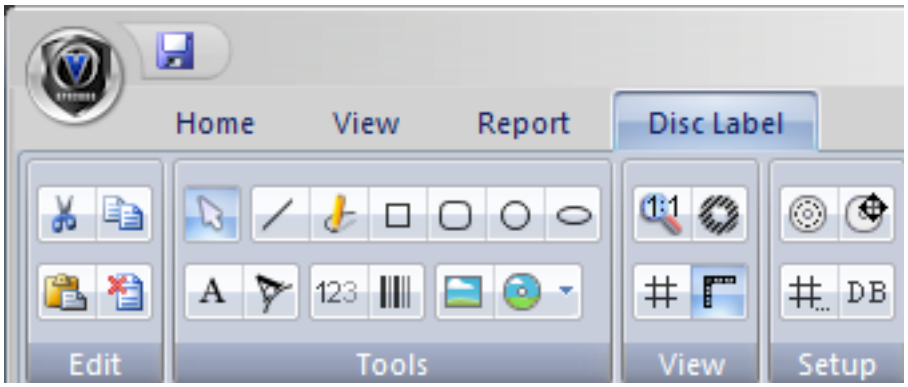
Select the File icon and click "Open"



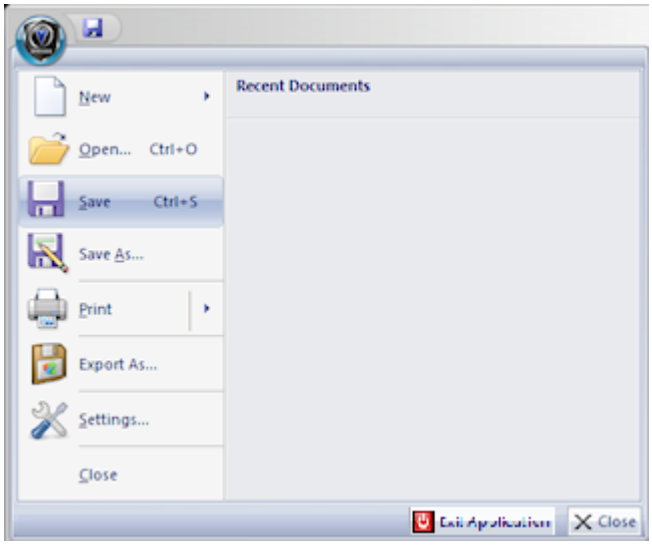
The Open dialog defaults to the premastering ".vbj" file extension type. Select the "Disc Label Files (*.vdl;*.pvdl)" to see your label design files and then select the file and click the "Open" button.

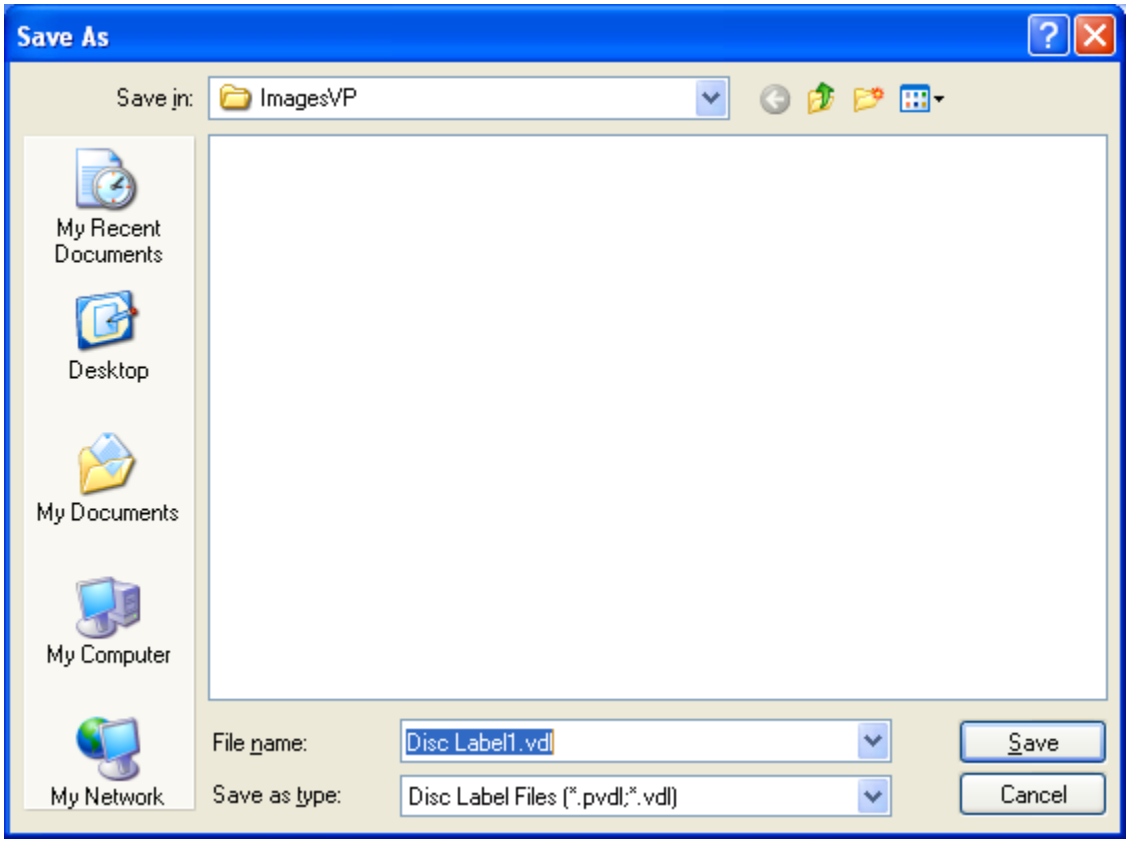
Saving and Exporting Label Files

There are two methods for saving a label file. There is a "Save" icon located in the upper left hand corner of the opened Label Designer interface as shown below:



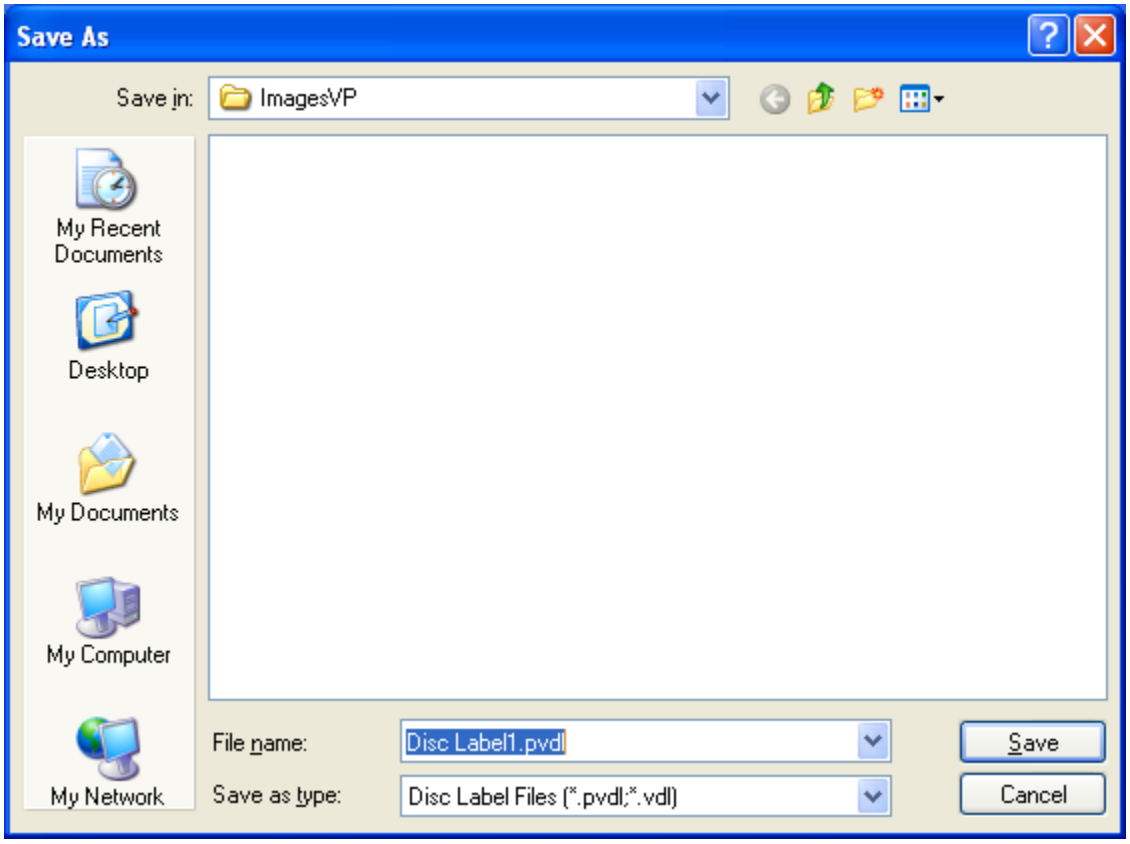
The other method is to select the File icon and then "Save" in the drop down menu.





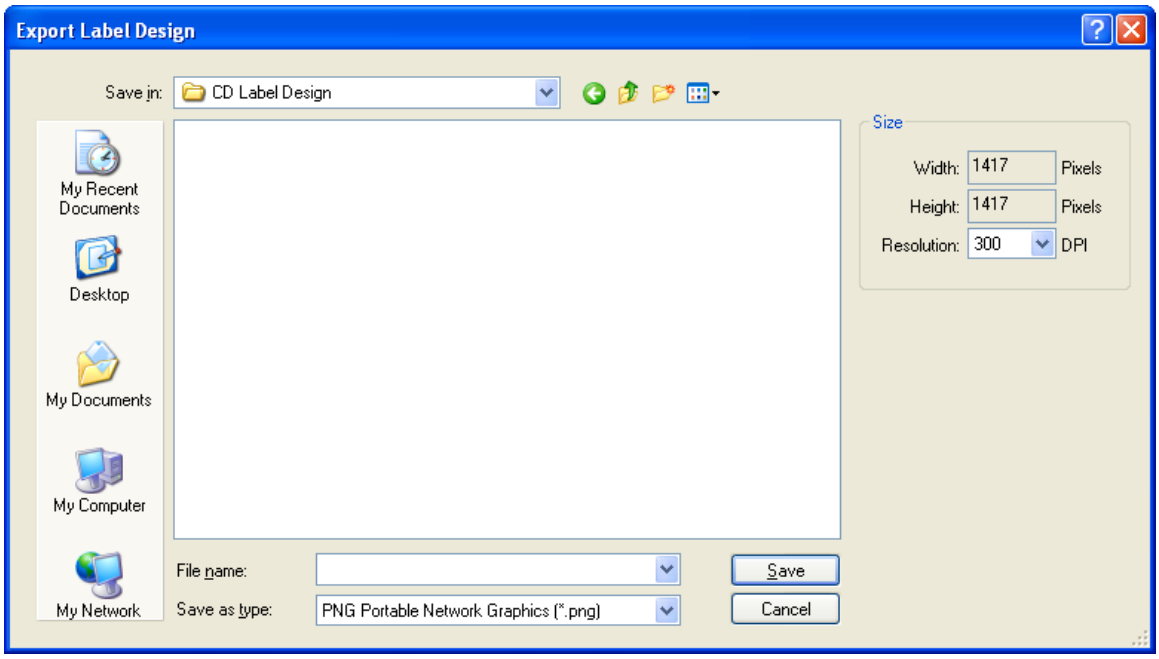
The "Save" or "Save As" dialog will appear with a default file name "DiscLabel1.vdl". You can overwrite this file name and type in the file name you wish.

Label Designer offers users the ability to save graphics files used in the design as part of the saved label. This requires the user to add the extension (.pvdl) which stands for "portable Vinpower Label Design". This is helpful if you wish to email or transfer your label design to another department or location and want to make sure that the graphics files are embedded in the file. Please note that the file will be larger in size because it will contain the graphics file(s) as part of the saved file. The dialog below shows an example of saving a label design as a .pvdl extension versus the default .vdl.


Save As
Save in:
ImagesVP
My Recent Documents
Desktop
My Documents
My Computer
My Network
File name:
Disc Label1.pvdl
Save as type:
Disc Label Files (*.pvdl;*.vdl)
Save
Cancel

Exporting Label Files

Label Designer supports the exporting of a label design to a png, jpg, bmp, or tiff graphics file. In addition, the user has control of the size and resolution of the exported image. To perform an export, click the File icon and "Export As".



This feature is helpful if you wish to create a generic label template for your company. Once you have created a generic label template that contains your company logo and other static information you don't want changed, then you can instruct users of the system to use this generic label file along with the text overlay feature.

Closing Label Files

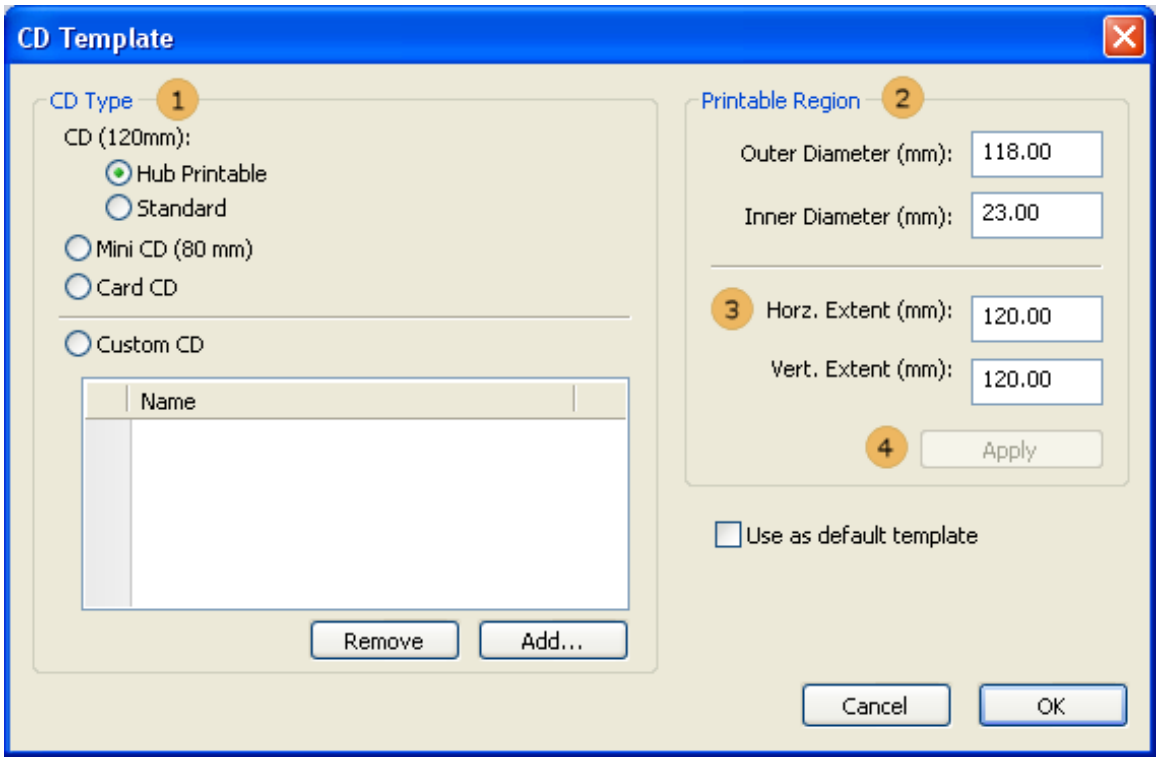
Select the File icon and then "Close".

Design a Label

When you open a label, the CD template appears in the center of the display window. Only objects entered on the template will appear on printed disc, but text and graphics can be entered anywhere in the display window.

Defining Label Size

Select the CD template icon 1 to make changes to the template as shown by the dialog window below.



CD Type 1: Three options are available.

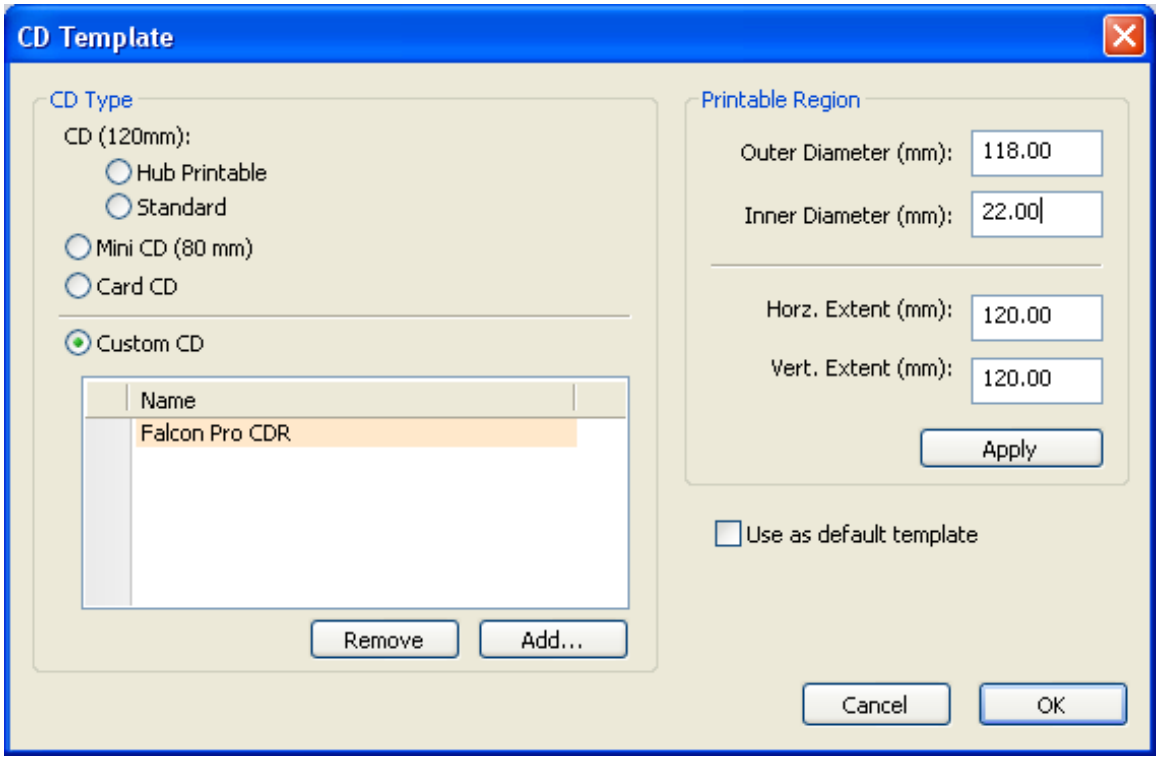
Printable Region 2: This is the region that will be printed on the physical disc. For Hub printable discs, a good radius to start with is 23.00mm.

Horz. And Vert. disc area 3: Displays the viewable area of the disc.

Apply 4: If the "Use as default template" box is checked and "Save changes" is selected, then these settings will be used for the selected CD type.

If the default template box is not checked, then the modified size will automatically be saved for the label you are working on when you save. New labels will go back to standard default size for the next file.

Custom CD Template



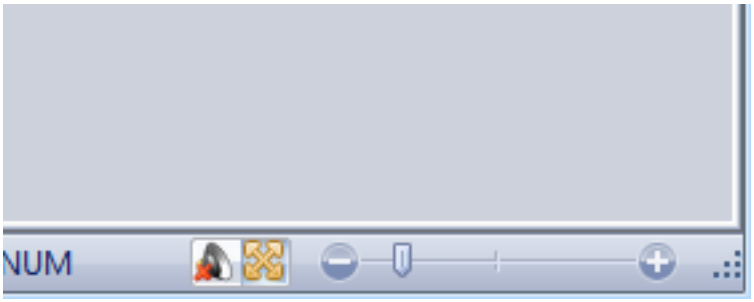
Custom CD: You can add custom CD templates for different printable surfaces. For example, the custom CD template "Falcon Pro CD R" has been added with the outer radius of 118.00 00 and the inner radius of 22.00 mm. You have the option to make the Falcon Pro CD R as the default template or you can select it anytime when you want to create a label file with those parameters.

Steps: Select the "Add" button, give the template a name, click OK. You can now change the outer and inner radius and click the Save Changes.

Adjusting the Display

Zooming In and Out

You can zoom in or out on the entire label by choosing the zoom slider bar located in the lower right hand portion of the screen as show below. While items will grow larger or smaller on the display, they will remain their original size on the printed.

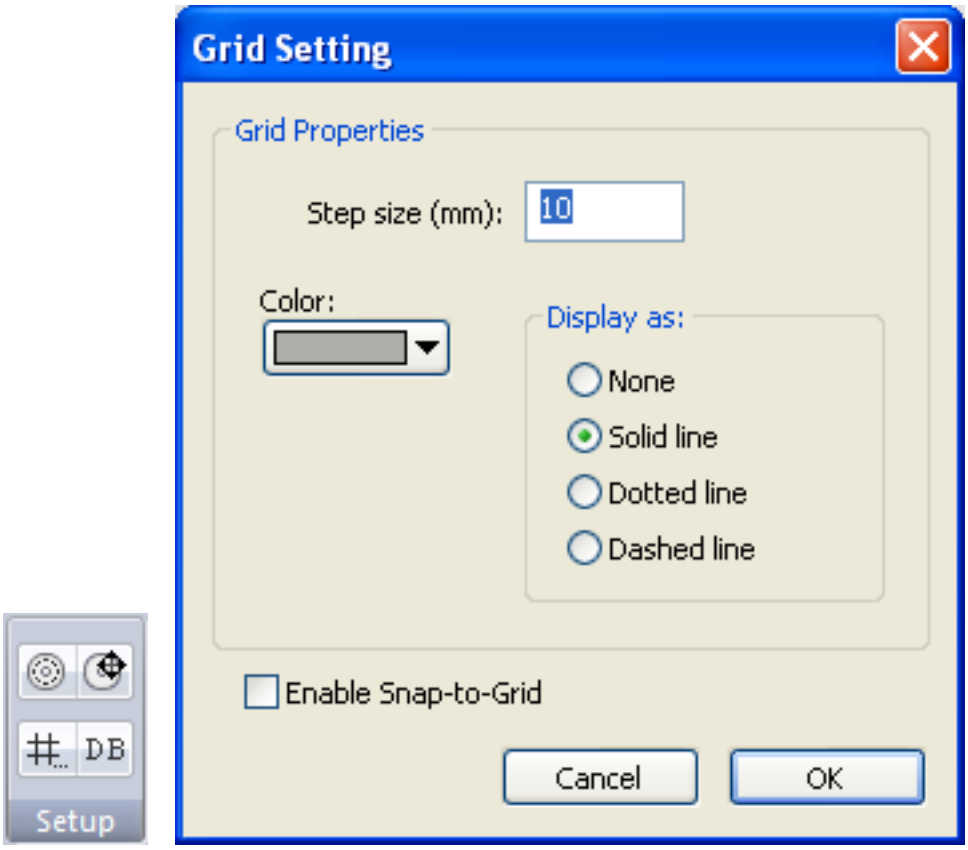


If you wish to return to a 1:1 view, click on the icon located in the View section of the toolbar.

Grid and Ruler Display Options

You have the option to turn on or off the grid overlay as well as the Ruler.

You have the option to change the grid setting and appearance by selecting the grid icon located in the "Setup" section of the toolbar.

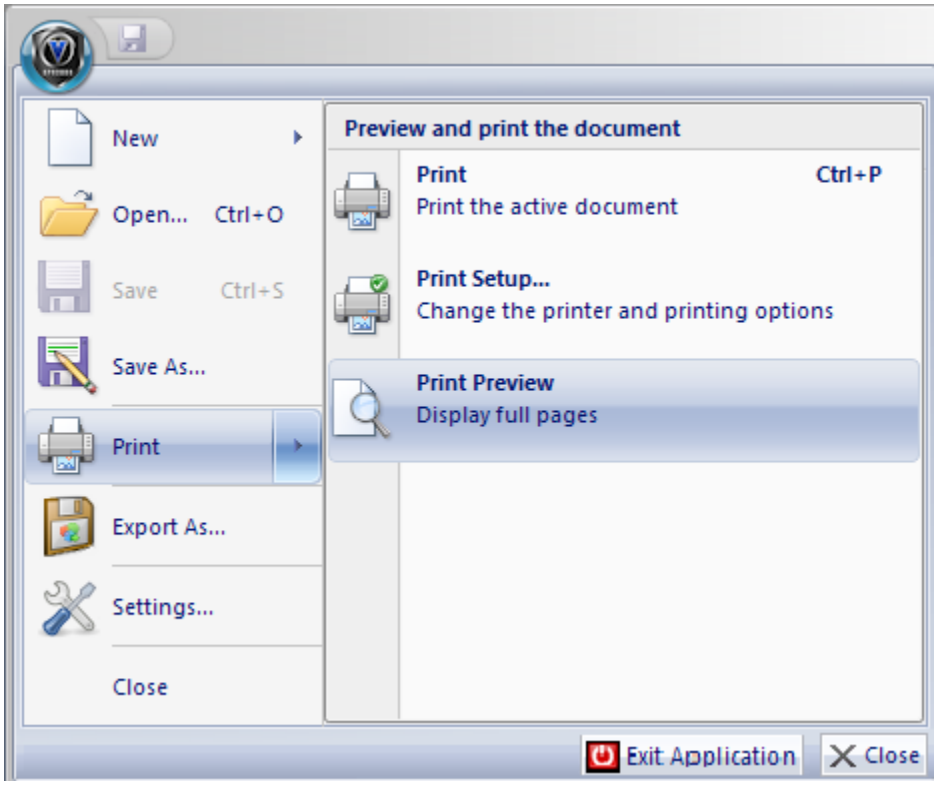


Mask Display

You can toggle the mask on and off to only see the printable area of the label design.

Print Preview

To view what will show up on your label when printed, select the File Icon and Print, then Print Preview as show below. Any part of a graphics or text item outside the CD-R template will disappear.

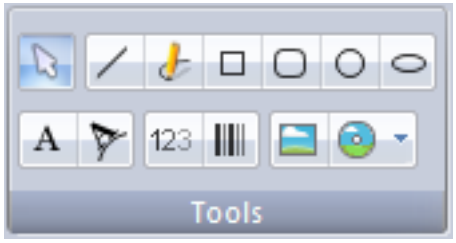


Print Positioning

The Label Designer application allows you to make adjustments of the print position with respect to the printer that is being used. Selecting the Print Positioning icon will take you to the "Advanced / Printer Setting" screen which is covered on *Printer Settings*.

Tools Menu

You can create your own graphics and text, or import images on your label with the design tools located in the "Tools" menu. To create an object, start by selecting the desired figure type from the Tools menu. The selected button will appear depressed on the toolbar.



Standard and Circular Text

Graphics

Working with Basic Shapes

Working with Freehand

Graphics Background

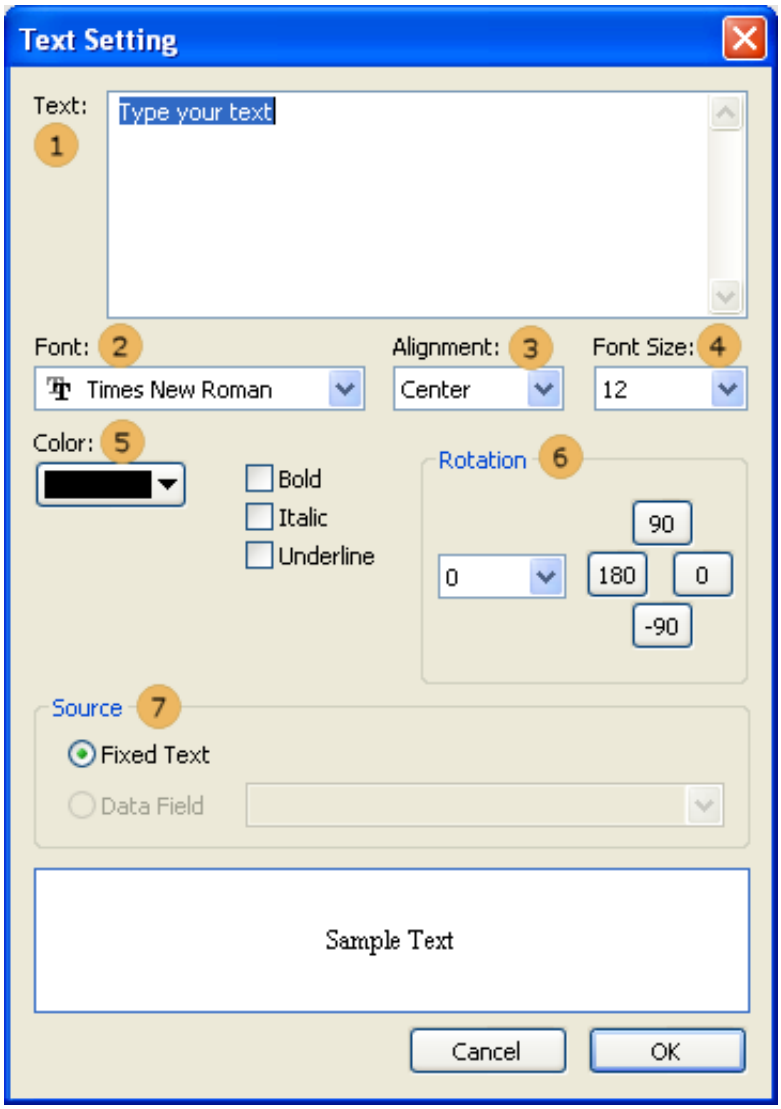
Entering Graphics Images

Standard and Circular Text

Entering Standard Text

Standard text is best for creating straight lines of text. The standard text option allows the user to align the text, left, center, or right. Additionally, standard text can be pivoted vertically at a 90° angle or flipped 180°. Font style, size, and color are adjustable.

Choose from the Tools menu. Click the mouse in the location you wish to enter the text on the CD template. The following Text Settings box appears on the next page:



Text 1: Enter your text into the "Text" box. You must press Enter on your keyboard to move to the next line.

Font 2: Select the font by clicking on the down arrow key next to the font name.

Alignment 3: Select the alignment of the text (Center, Left, or Right).

Font Size 4: Select the available font size.

Color & Styles 5: Select the font color. Font style is changed by clicking the boxes Bold, Italic, or Underline.

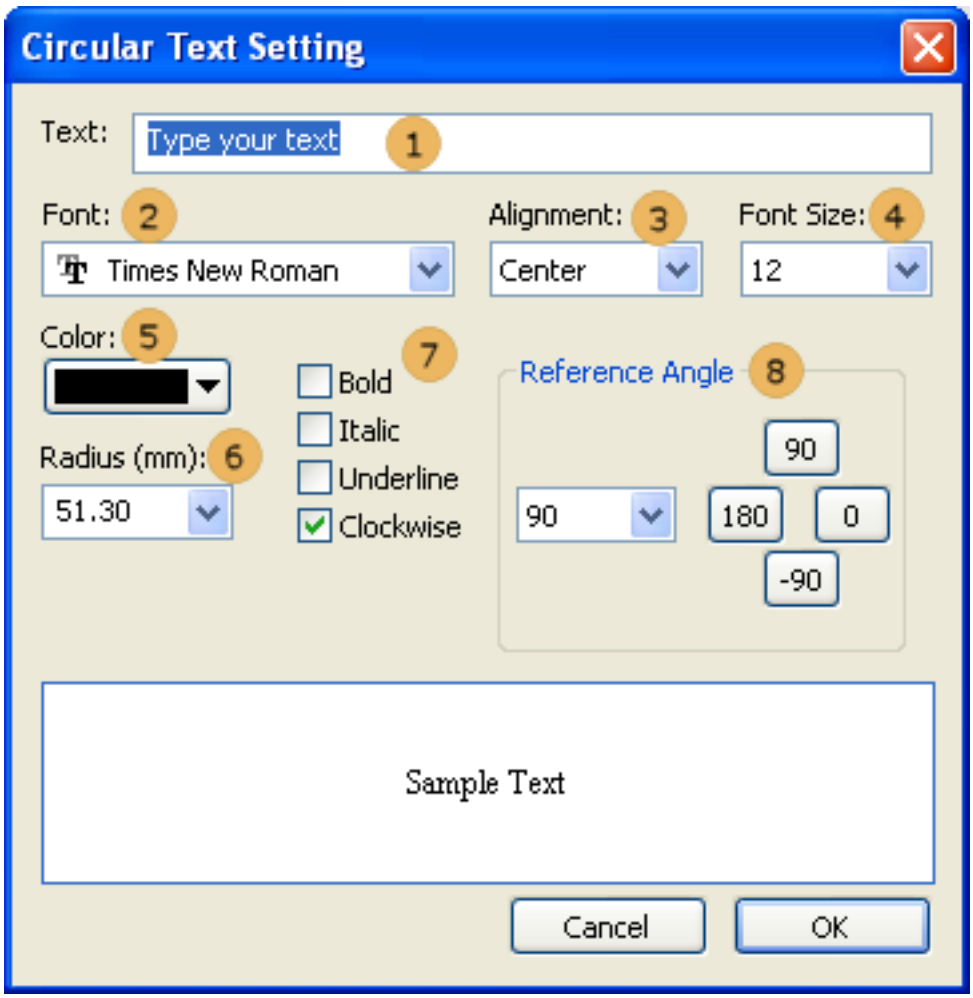
Rotation 6: The text string can be rotated 90, -90, or 180 degrees.

- To turn text upside down, chose 180.
- To rotate text vertically at a -90° angle facing rightward, select the box reading 90 at the top of the window. The text will read from bottom to top.
- To rotate text vertically at a 90° angle facing leftward, select the bottom 90 box toward the bottom. The text will read from top to bottom.

Source 7: Data Field – used with merge data and serialization (see relative chapter).

Entering Circular Text

Text entered using the arc feature rotates around the label in a fashion mirroring the shape of the disc.



Text 1: Enter text in the box entitled Text at the top of the dialogue box.

Font 2: Font type is chosen by clicking the arrow to the right of the Font box and selecting and clicking a choice.

Alignment 3: Choose the alignment of the text (Left, Center or Right).

Font Size 4: Font size can be modified using the arrow at the right side of the Font Size box.

Color 5: Color is added the same way as it is with standard text.

Radius 6: Radius controls the number of millimeters from the center of the disk that text is placed. Text moves in an even arc around the disk according to the selected distance of the radius.

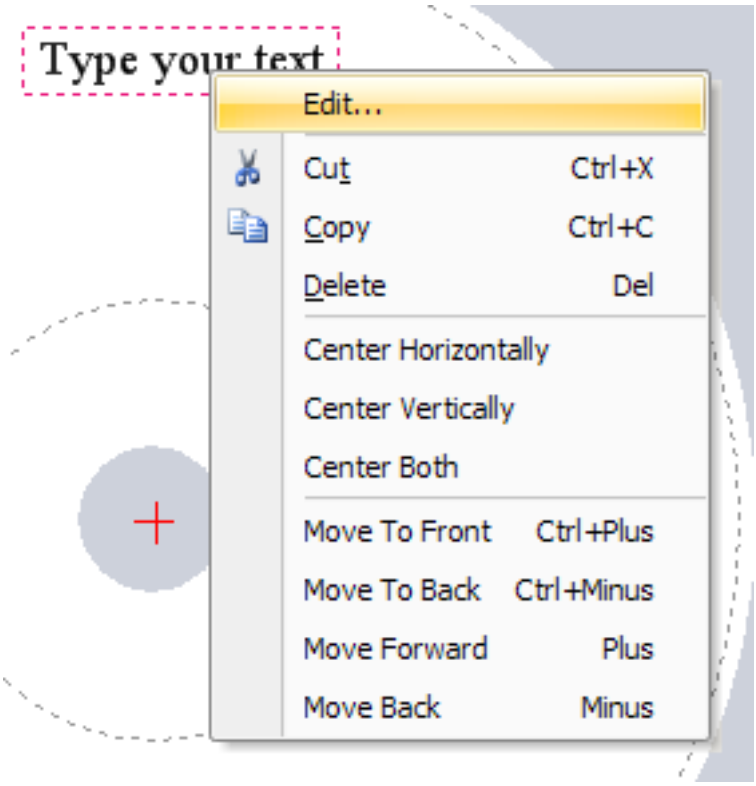
Font Style 7: Font style is changed by clicking the box to the left of the choice. The bold, italics and underline options may be used singly or in combination. You also have a clockwise option that modifies the direction of the text. Regular text moves counterclockwise and faces the outside of the disc template. When the

clockwise option is activated, text is entered leftward from the origin, and faces the inside of the disc.

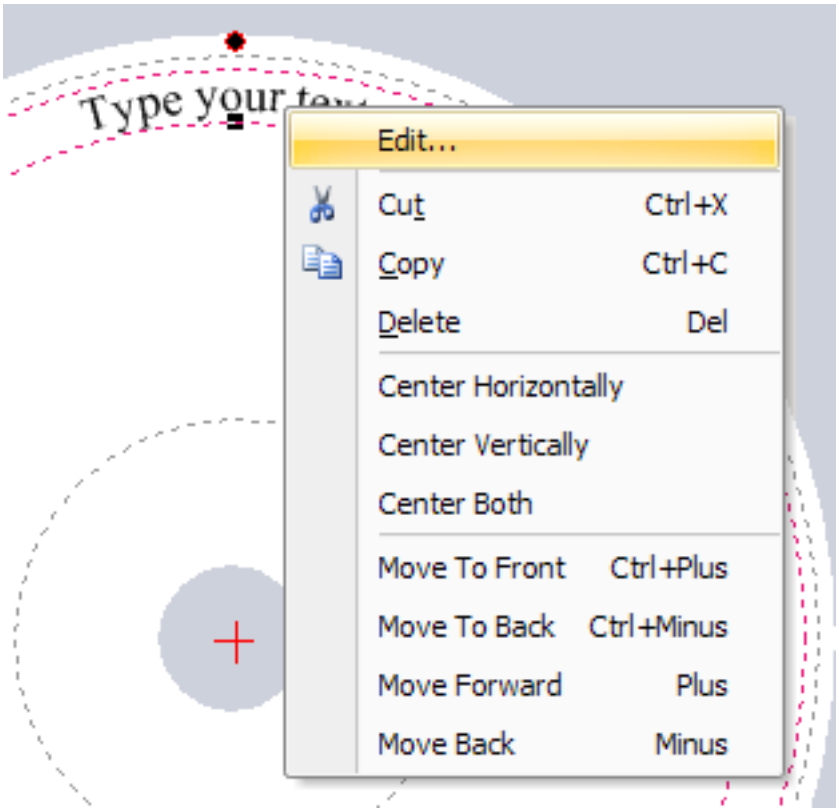
Reference Angle 8: Reference Angle allow you to set the reference angle to 0°, -90°, 180° , or 90° instantly. The reference angle is helpful for making objects on the label symmetrical.

Editing Standard and Circular Text

Tools for editing text on your label design are the same for standard and circular text. Editing can be performed by clicking on the block of text and then right click to display the following shortcut menu.



Clicking "Edit" will pop up the *'Circular Text Setting'* dialog.



Clicking "Edit" will pop up the *'Circular Text Setting'* dialog.

Moving Standard Text

- Select the text object you wish to move by clicking the text.
- You can move text using just the mouse, but the mouse button must be depressed during the operation.
- Release the mouse button when you are done moving the object

Moving Circular Text

- Right click the mouse on the piece of text you wish to edit.
- Choose Edit from the shortcut menu.
- The Circular Text dialogue Box appears.
- Change the Radius to move text closer or farther from the center of the label.
- Change the Reference Angle to move the text to another angle on the label.
- Center commands are also useful for movement operations.

Graphics

You can create your own graphics or import images on your label with the design tools located in the "Tools" section of the toolbar. Ellipses, circles, ovals, rectangles, squares and lines can be created instantly with these options. The shapes can then be customized easily using the mouse pointer to define the dimensions of the shape. The freehand option gives you full reign of your design, and you can draw your own graphic on the screen. Graphics imported onto the label from other files can be left as is, or their size can be altered using the Design Label graphics tools. Text objects are completely compatible with the graphics both created and imported onto the label, and the two can overlap to create label designs with text written on a background image.

Types of graphics:

- Basic Shapes
- Freehand
- File Art

Working with Basic Shapes

Entering Basic Shapes

- Choose the line, rectangle, or ellipse from the toolbar or the *Tools menu* and then click the point on the disk you wish to place the shape

- Keeping the left mouse button depressed, move the cursor in the direction you want to extend the shape.
  - The line is used to create straight lines in any direction.
  - The rectangle makes squares and rectangles.
  - The rounded rectangle makes rounded rectangles.
  - The circle makes circles.
  - The ellipse makes ellipses, and ovals.
- The shape will remain hinged in the spot on the template chosen with the mouse pointer, but the image can be extended in any direction to customize size and shape.
- Release the cursor when you are satisfied with the shape.

Fill Patterns

Fill patterns including stripes and checkerboards can be added to the shape in black and white or color.

- Place the mouse pointer on any part of the shape's border and right click.
- Select Edit and you can select a pattern by clicking on your choice.
- You can select a color for the fill pattern by choosing Color. The color dialogue box appears and you can select a basic or custom color.

Editing

Shape properties and placement on the template can be edited at any point.

Working with Freehand

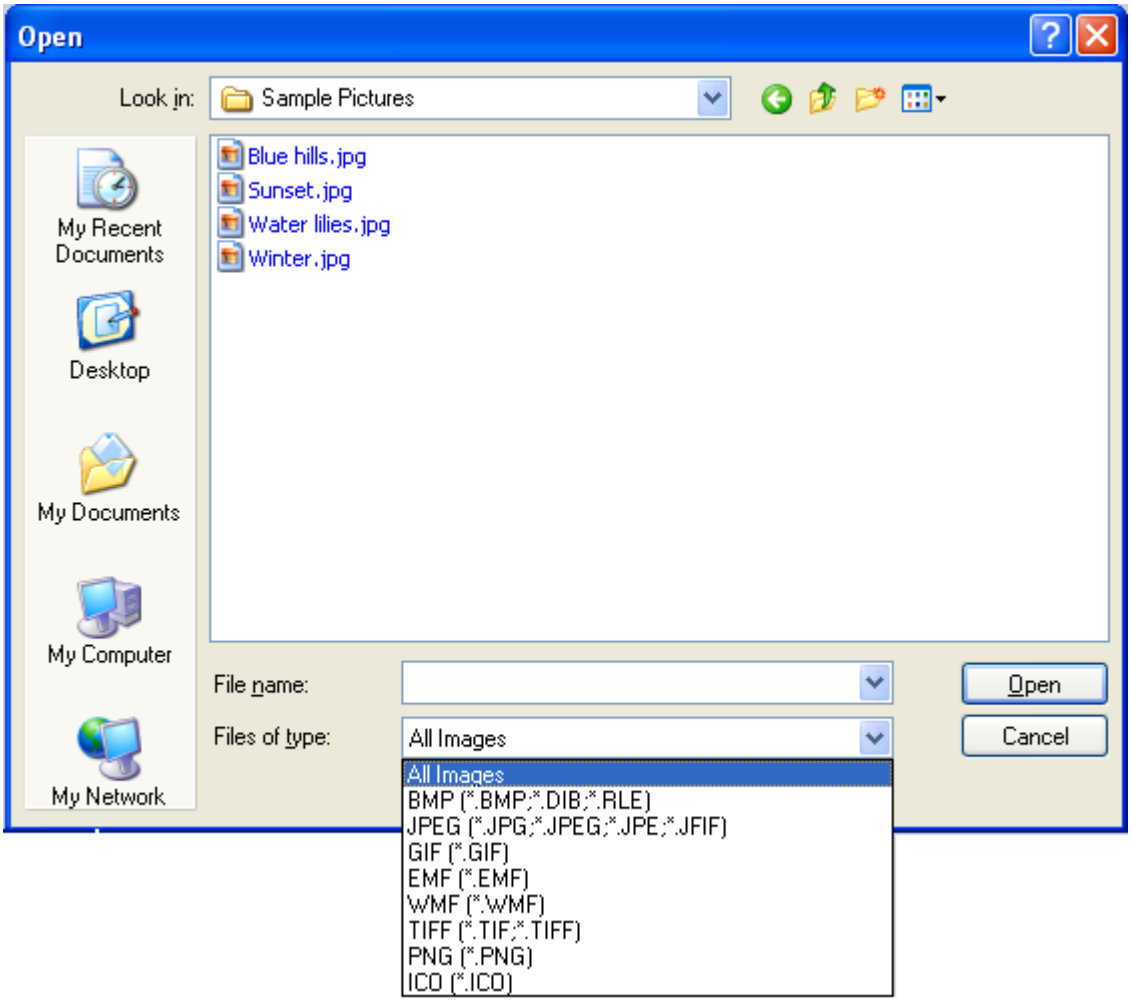
The freehand options allows you to use the mouse pointer as a pen or paint brush to design images and alter basic shapes or imported images. Freehand images can be made in color or black and white.

- Choose from the *Tools menu*
- Click the mouse pointer at the location on the template you want to start drawing. This can be on a blank spot or one where an image already exists.
- Holding down the mouse pointer, draw your graphic.
- Release the mouse only when you are finished drawing the image.

Graphics Background

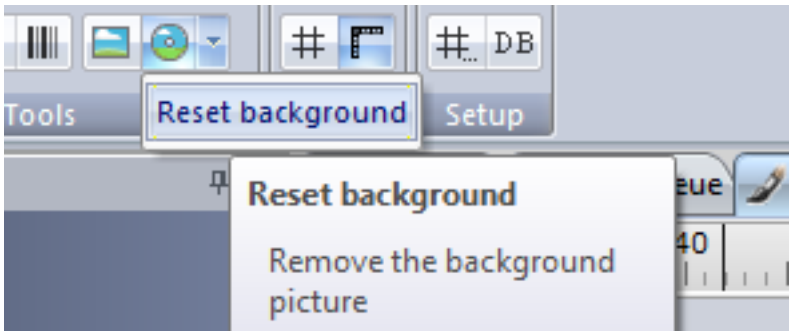
Label Designer supports the ability to add a graphics background to your label design. It is recommended that your graphics background artwork be 12 cm x 12 cm in size for optimum results.

Select from the *Tools menu*. The following dialog will ask for the background graphics file you wish to use:



The screen-shot to the bottom shows a background image.

If you wish to reset the background image, you simple click on the down arrow button and then click the "Reset background" as show above in the picture below. This will delete the background image. You can then select another background image.



Entering Graphics Images

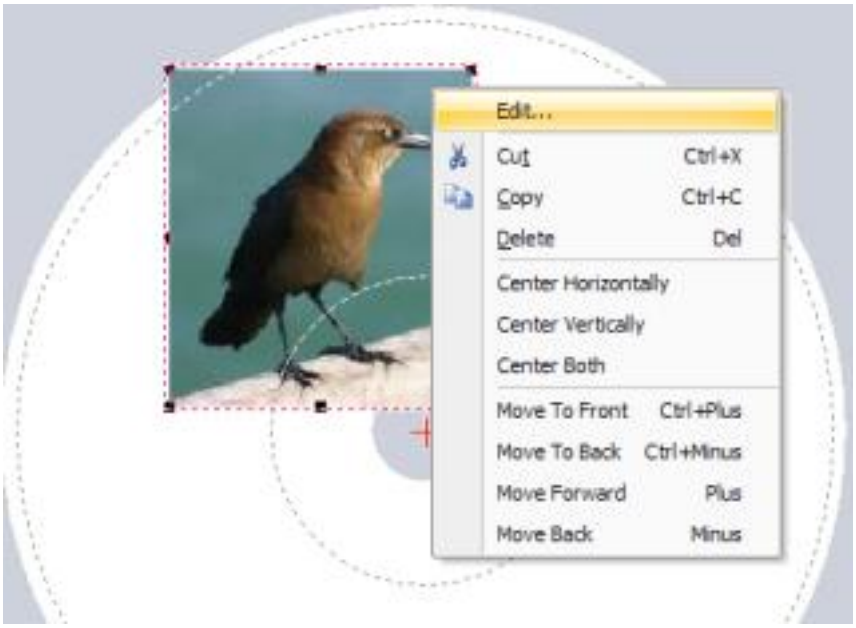
Label Designer supports the importing of a bmp, jpg, gif, emf, wmf, tiff, pgn, and ico graphics images. Imported graphics are moved and edited with the same commands as other objects.

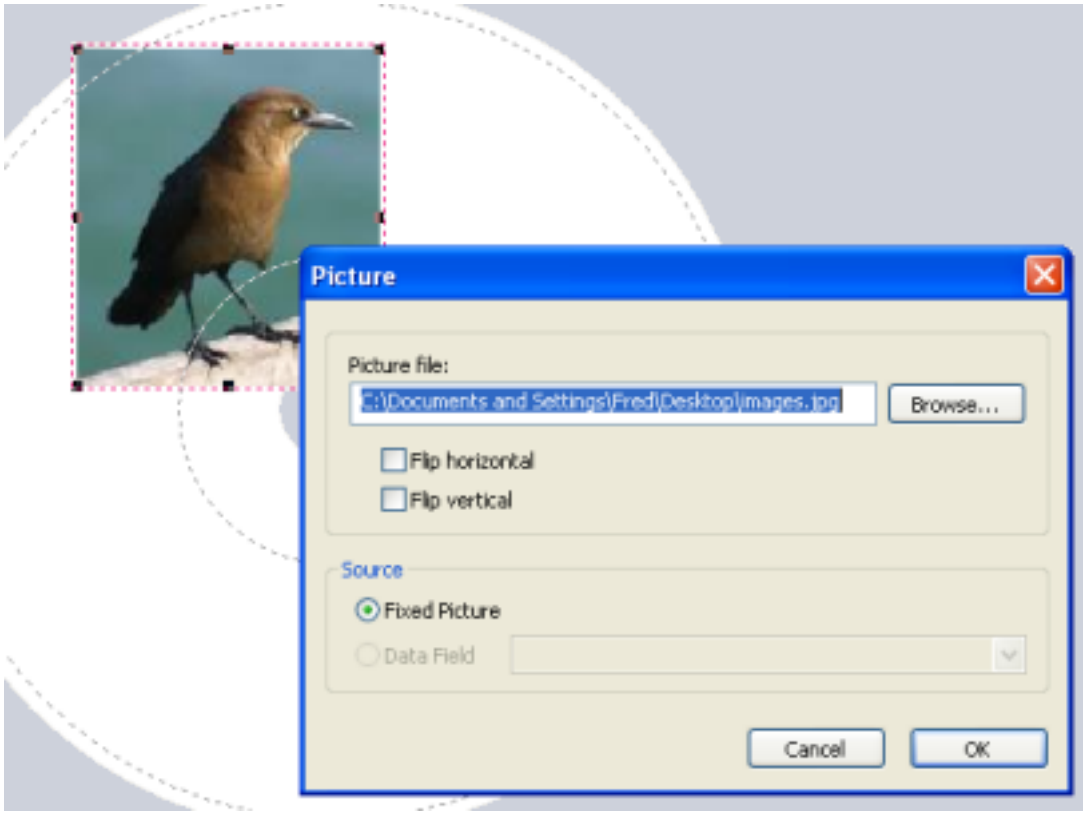
Graphics stored on a disk or on your hard-drive can be imported to the label easily. The imported graphics can then be altered using Label Designer tools for the purpose of your label while maintaining the integrity of your file art.

Select the from the *Tools menu*. Graphics are moved and edited with the same commands as other objects.

- The Open Picture file dialog box appears.
- Select the drive and directory in which your picture file is located. Only graphics files will appear in the window.
- Press Open.
- The image will appear at the center of the disc and you can move it to any spot on the template.
- Move the image to the preferred spot by clicking on the graphics file and the dragging it anywhere on the template using your mouse.

Imported graphics are moved and edited with the same commands as other objects:

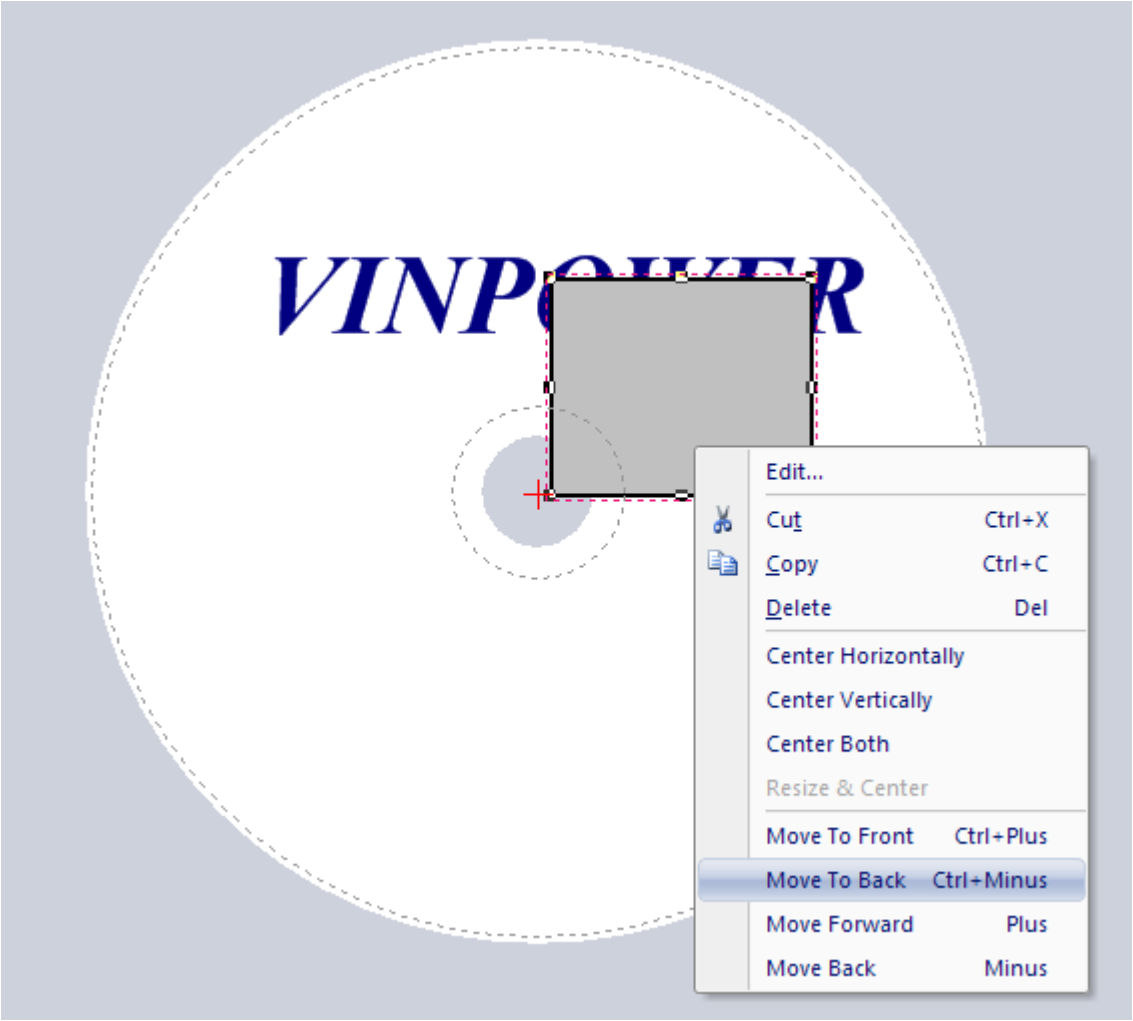



Picture
Picture file:
C:\Documents and Settings\Fred\Desktop\images.jpg
Browse...
Flip horizontal
Flip vertical
Source
Fixed Picture
Data Field
Cancel
OK

Overlaying Objects

If objects are entered where others already exist, the new object will be placed on top, or in front, of the other objects.

You can change object positioning by right-clicking on one of the objects and using the following commands:



- **Move to Front** moves the selected object to the very front of the stack.
- **Move to Back** moves the selected object to the very back of the stack of objects.
- **Move Forward** moves the selected object one place forward in the stack.
- **Move Back** moves the selected object one place back in the stack.

Changing Object Size

- Move the cursor along the border of the object until the two-sided arrow appears. It appears in all four corners of rectangles and rounded rectangles, sides of ellipses, and at either end of lines.
- When the arrow appears, click the cursor and the object will stretch or retract. Objects remain hinged at an angle unique to each of the shapes.
    - Lines remain hinged at the opposite end of the one selected with the two-sided arrow.
    - Rectangles and squares are hinged at the corner diagonal to the one selected.
    - Ellipses, circles, and ovals are hinged at the center point.
- When you are finished changing the object shape, left-click and the object will become stationary again.

Changing Object Properties

Select the border of the object by right-clicking the mouse.

- The shortcut menu appears.
- Choose *Edit*.
- The object properties dialog box appears.
- Pen thickness can be changed from .1 pixel to a choice between 0 and 10 pixels.
- One of the eight patterns will be added to the interior of the shape or design by selecting one of the choices. Just one pattern can be used at a time, so if one of the patterns is already in use, it will be changed when a new selection is made.
- Pattern color is changed by choosing fill color and then clicking on another color.
- Press OK when you are finished to save edits.

Using Cut and Paste

To copy an object

- Press or choose *Copy* from the *Edit menu*.
- The original object will remain on the screen.

To cut an object

- Press or choose *Cu*t from the *Edit menu*.
- The object will disappear from the screen.

To paste the cut or copied object in the same place on another label

- Click the pointer tool on the label you wish to duplicate the object.
- Press or select *Paste* from the *Edit menu*.

Tip: you can duplicate an object with the following shortcut. Select the object (click on it with the left mouse button), press the CTRL key and while keeping both the key and the mouse button pressed move the mouse. Release both when you reach the destination.

Centering Objects

You can center an object vertically, horizontally, or both.

- Select the object with the left-click.
- Right click and a menu will appear with the choices for "Center Horizontally", "Center Vertically", or "Center both".

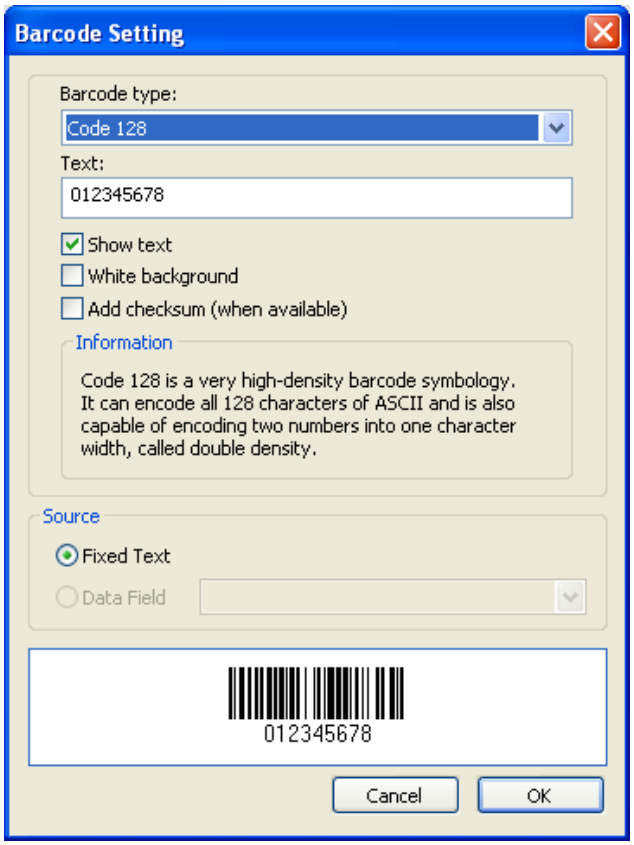
Deleting Objects

- If you are not sure whether or not you want to delete the object, it is better to use Cut and Paste which allows you to return the object to your screen if you are unsatisfied with the removal.
  - Select the object with the left-click
  - Choose **Cut** from the Edit menu.
  - If you wish the graphic to return to the screen, simply chose Paste from the Edit menu before cutting another object.
- If you are certain you wish to delete the object, right-click.
- Choose **Delete** from the shortcut menu.

The object will be deleted instantly from your screen.

Bar Code

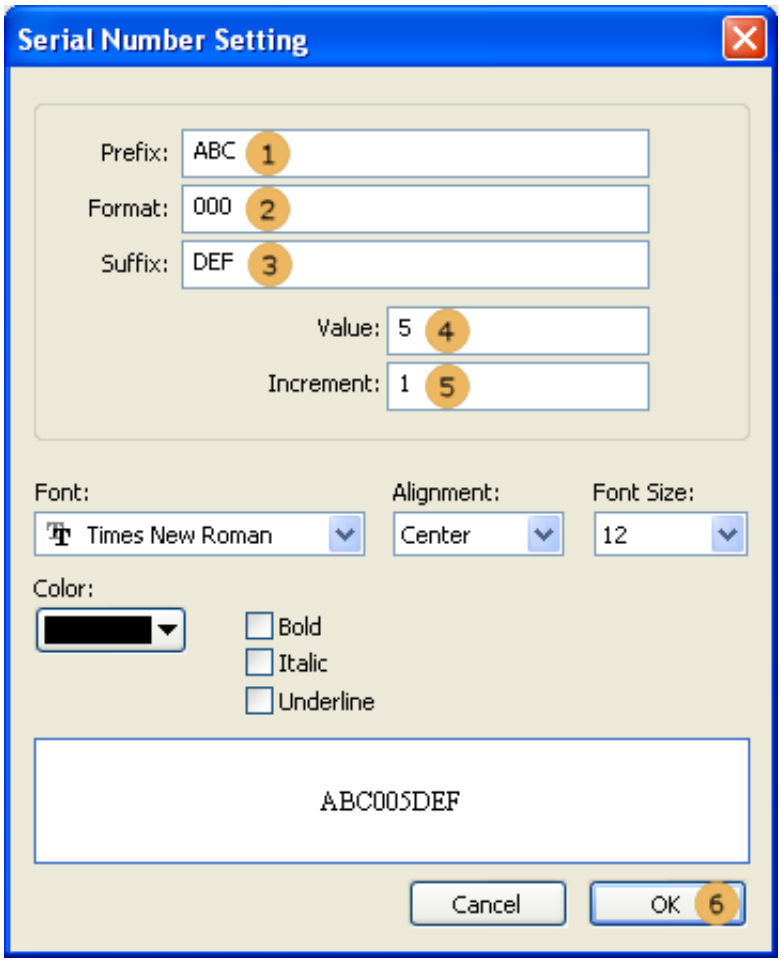
Label Designer supports the insertion of bar codes. Select the bar code icon located in the "Tools" toolbar and the following dialog appears:



Serial Number

Serial numbers incorporating letters and numbers are easy to create using Label Designer. You can incorporate prefixes and suffixes into your serial numbers.

- Select the **Serial Numbe**r icon from the *Tools menu*.
- The Serial Number dialog box appears when you click anywhere on the label template.



Enter a **Prefix** 1. The prefix is a set of unchanging characters that will precede your serial number. It is not set for a particular length, and you can enter as many numbers and or letters as you wish. If you do not wish to have a prefix, simply leave the prefix line blank. The prefix is ABC in the example above.

Enter a **Format** 2. This is the number of numeric digits you want displayed as part of the serial number.

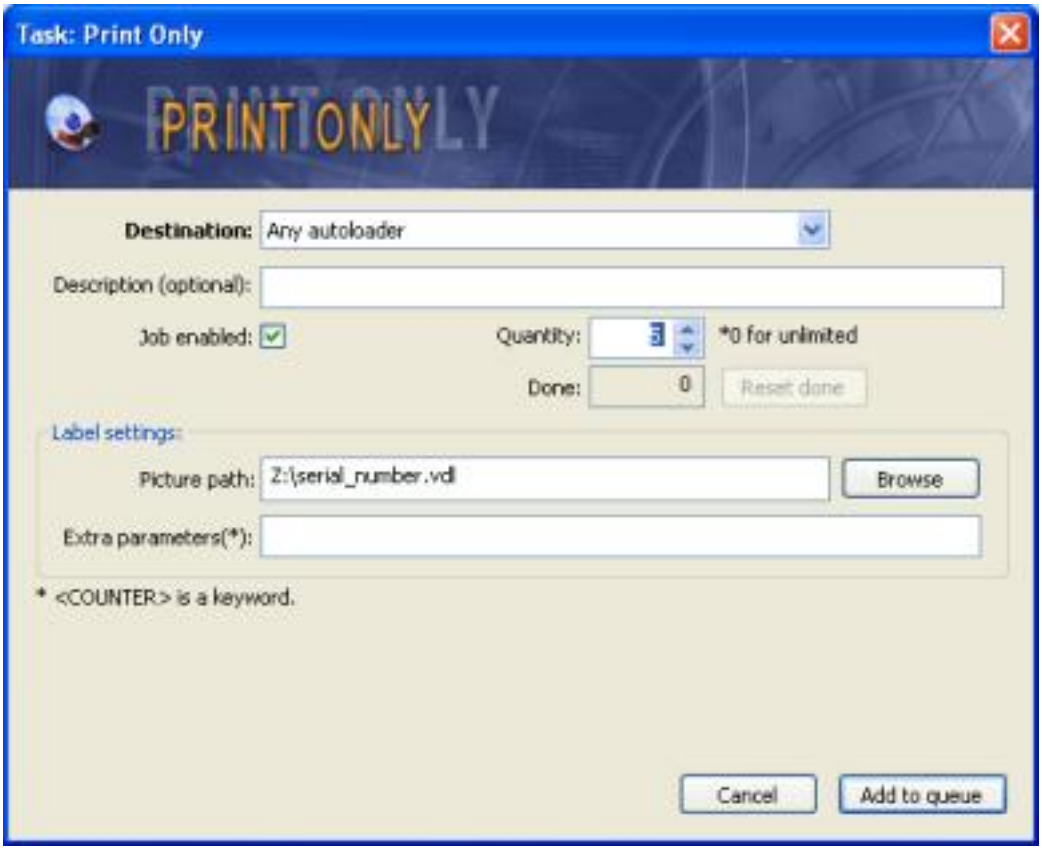
Enter a **Suffix** 3. The suffix, like the prefix, is a set of numbers and or letters that will be the same on each label. It follows the Serial number. You do not have to enter a suffix for the serial number operation to function. The suffix is DEF in the example.

Enter a **Value** 4. The value is the Serial number you wish to start with on the first label.

Enter an **Increment** 5. The increment is the number by which serial numbers will increase. For example, if the value is set at 5 and the increment is 1, the first label will have a serial number reading 5, the serial number on the second label will be 6, and the serial number on the third label will be 7.

Choose **OK** 6 when you are finished. The Serial Number will appear on the label design.

The steps to perform a duplication/print or print only job is simple. The Print Only job dialog below is specifying the label design file that contains the serial number created in this example above.



The result of running this job will output five discs, each with a serial number, the first disc will have a the serial number ABC005DEF, the 2nd disc ABC006DEF, and so on.

Merge Field Tutorial

To support a merge field operation, the user is required to create a label with the "DB" – Merge File Setting selected and pointing to a csv, cdm, or txt file. Only one merge file is allowed for each label.

Note about file extension*:*

- ***CSV*** (comma-separated values) files *usually* contain values separated by comma. The character separator (',' comma) is intended to be locale-dependent. To see the character Windows uses as a *List Separator*, go to "*Control Panel -> Regional and Language Options*", select "*Customize...*" in "*Regional Options*" tabulator. The character is shown in "*List separator*". Many software application like Excel use this *List Separator* character when exporting in CSV.
- **CDM** (Custom Data Module) is intended to use *always* the comma as a "List separator".
- **TXT** uses the TAB character (ASCII value 9) to separate the values.

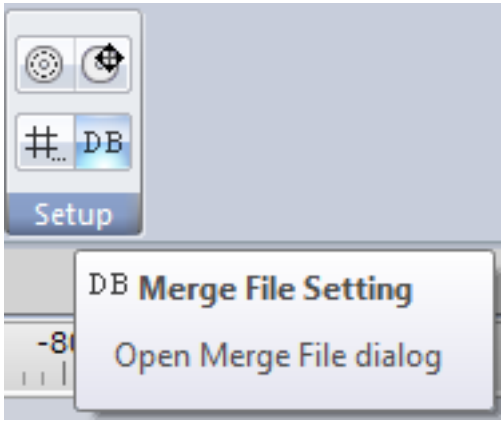
In this "*test.csv*" merge sample file (see below), each row is a record consisting of more data fields, and these fields are separated by a comma:

```
Name,Address,City
"Joe Smith","2338 Greenwood Ave","Pleasanton"
"Della Pinney","5 Roundhouse Drive","San Jose"
"Michael Mankin","8876 Anna Court","Menlo Park"
```

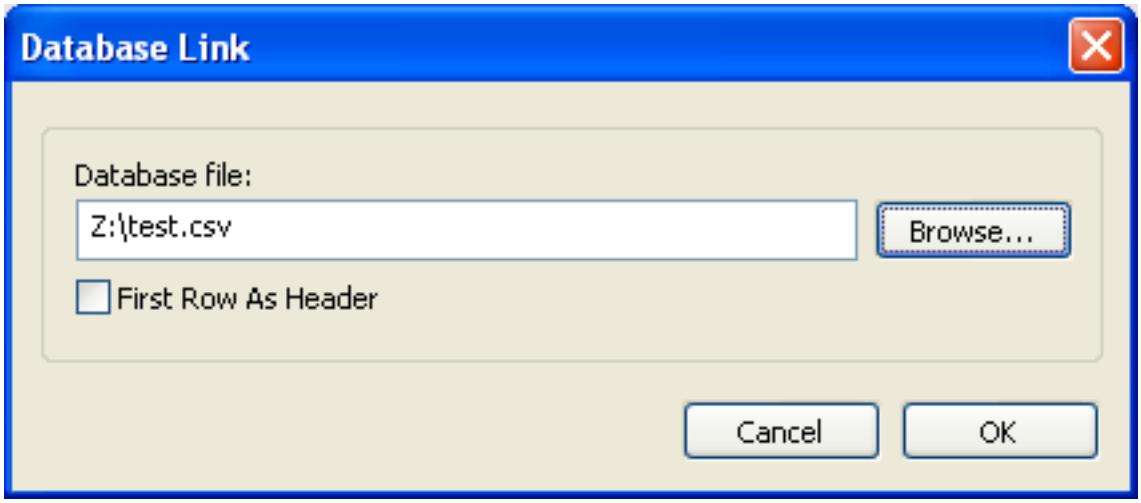
In the above example, the first row is the optional Header Row, and rows 2 - 4 are the data rows. The Header Row provides the names for every field in a data row. Your merge file does not have to include a Header Row. However, using a Header Row makes it easier to select a field to be linked with a Text, Picture, or Barcode object. BPR2000 will automatically check to see if the "First Row As Header" box is checked; if the box is checked, it will start the printing from row 2.

The following are the steps to perform a merge file job:

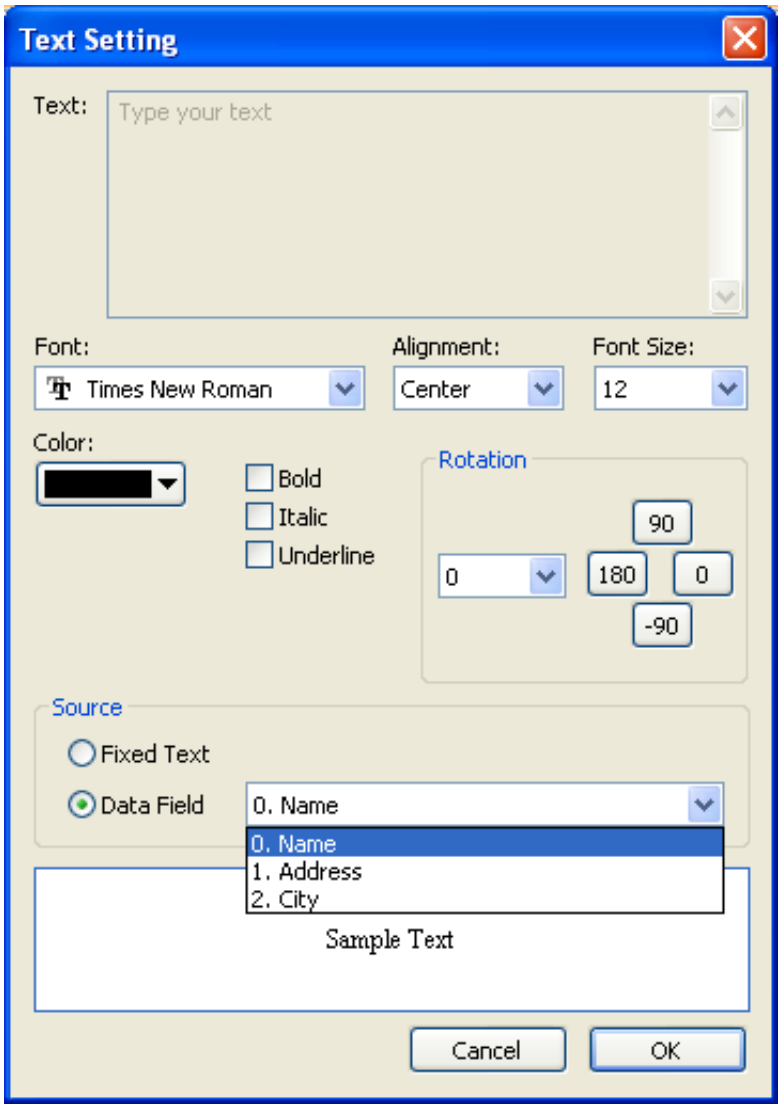
1. Select the "DB" in the *Setup toolbar*.



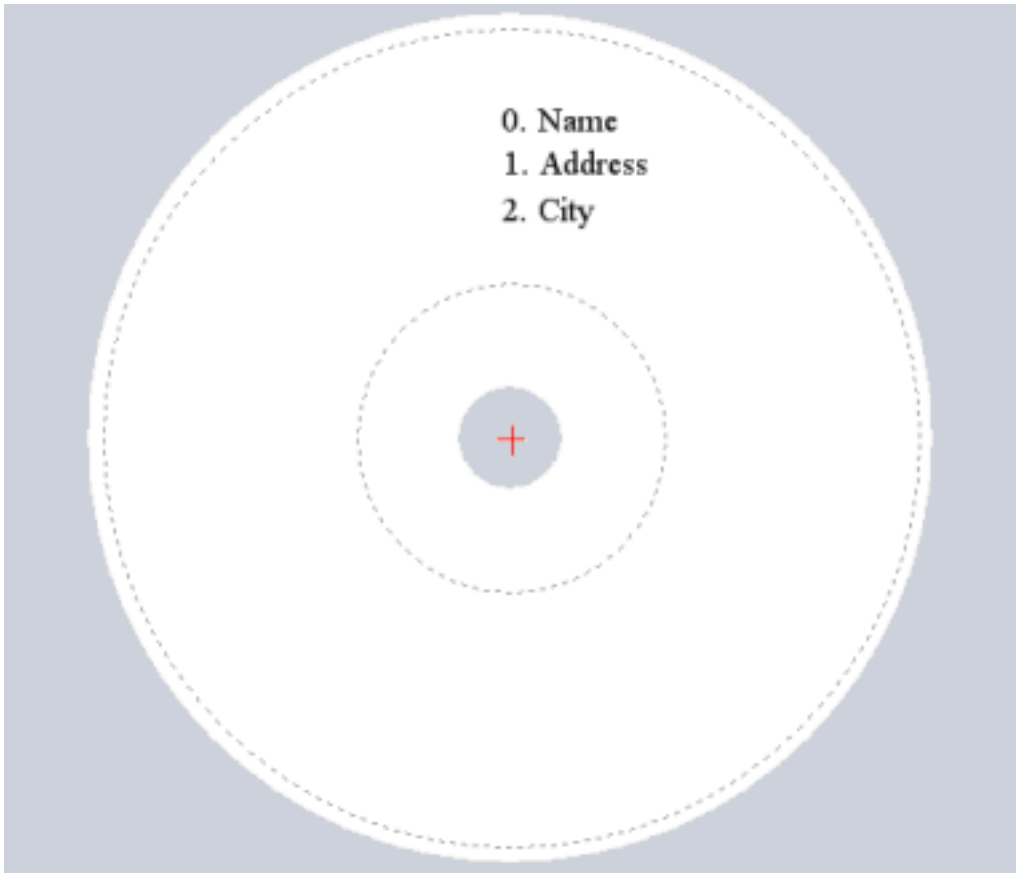
2. Browse to your csv, cdm, or txt file that contains your merge fields.



3. Select the Text Icon from the *Tools menu* and click on the location that you wish to place the first merge field. The Text Setting dialog will appear below; check the source as "Data Field", then select the first field as show below.

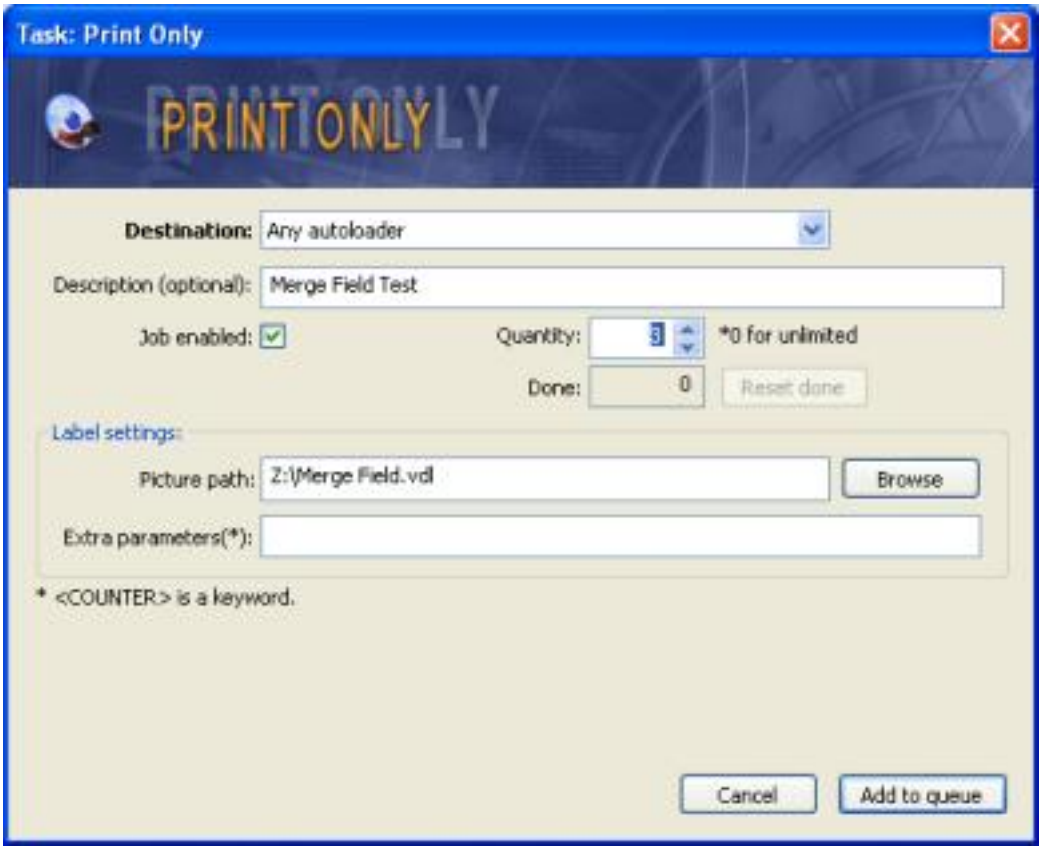


Repeat step 3 for each merge field you wish to add to your label – the label to the bottom contains 3 merge fields.



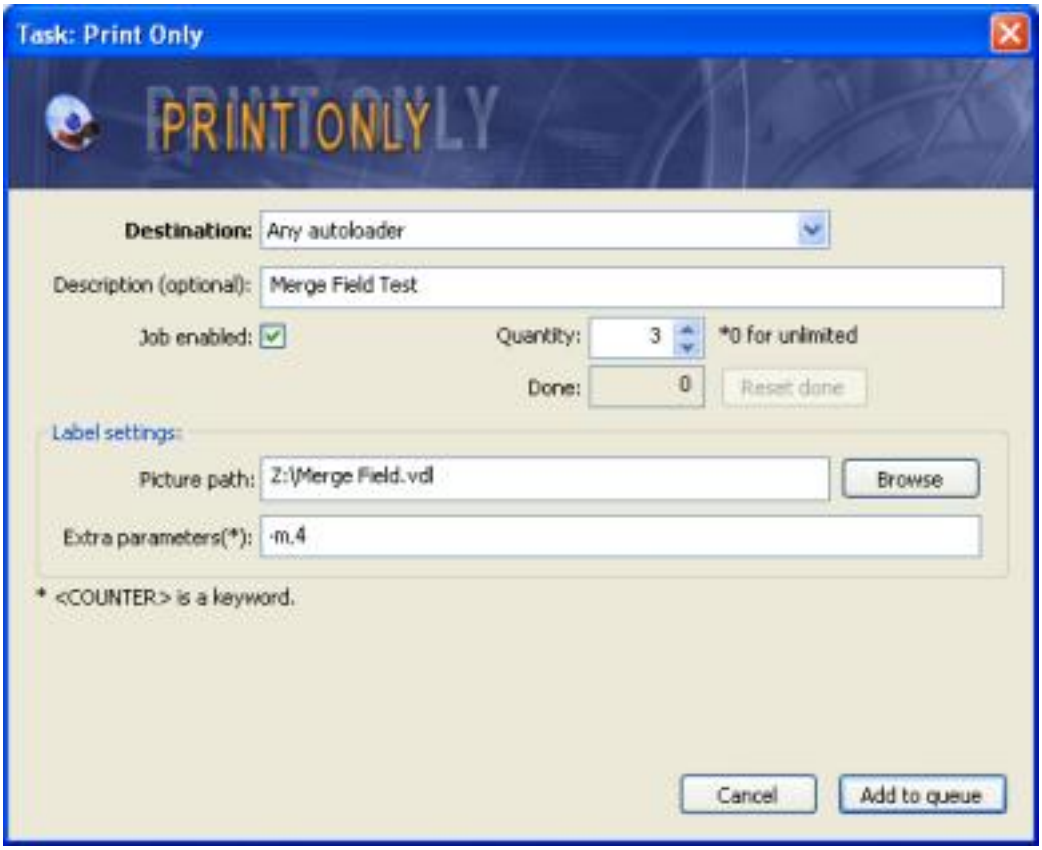
Tips: Hitting the "Page Dn" and "Page Up" keys will cycle through the merge file.

4. To perform either a duplication/print or just a print job, enter the Label Designer vdl print file in the "Picture path" field as show below. The specified quantity of 3 will print three discs, the first disc will contain the merge fields from row 2, the 2nd disc from row 3, and the last disc from row 4.



If you wish to begin a job but at a different entry/row within the merge file, you simply add –m,X where X is the line number that you wish to start the merge job. For example, if I had a merge file containing 10 records or rows, I can specify –m,4 in the "*Extra parameter*" field and the first disc printed will contain the 4th row.

NOTE: If you have a Header row in your merge file, then you need to count this row as 1 when using this "-m" option. This example is show below.


Task: Print Only
PRINTONLY
Destination:
Any autoloader
Description (optional):
Merge Field Test
Job enabled:
Quantity:
3
*0 for unlimited
Done:
0
Reset done
Label settings:
Picture path:
Z:\Merge Field.vdl
Browse
Extra parameters(*):
-m.4
* <COUNTER> is a keyword.
Cancel
Add to queue

Keywords

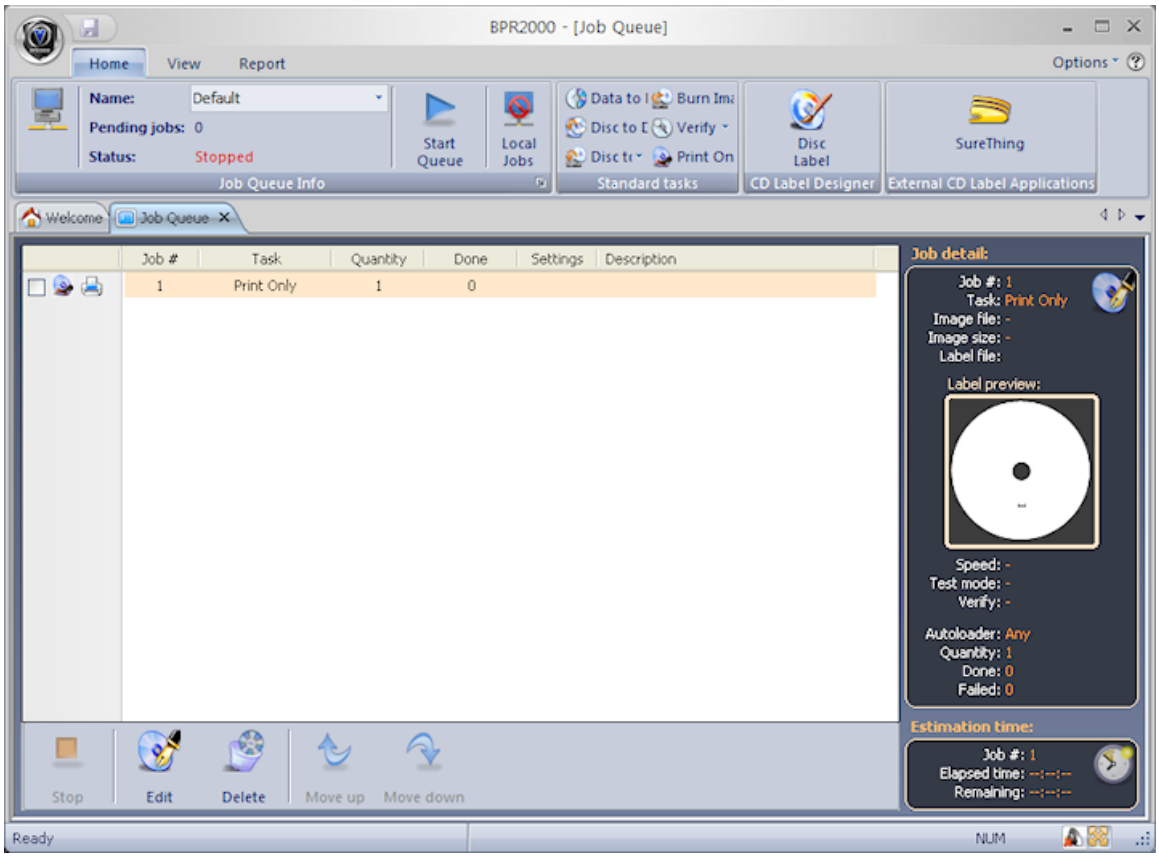
In the "Text Overlay" field or in any text box created by Label Designer, it is possible to specify some keywords which text will be replaced before printing.

This is the list of the supported keywords:

1. <JOB_NO>
2. <USERNAME>
3. <EMAIL>
4. <SPAN_DISC_NO>
5. <SPAN_DISC_TOTAL>
6. <SHORT_DATE>
   Sample output: 5/31/2010
7. <LONG_DATE>
   Sample output: Monday, May 31, 2010
8. <TIME>
   Sample output: 1:23 PM
9. <TIME24>
   Sample output: 13:23
10. <QUANTITY>

Managing the Job Queue

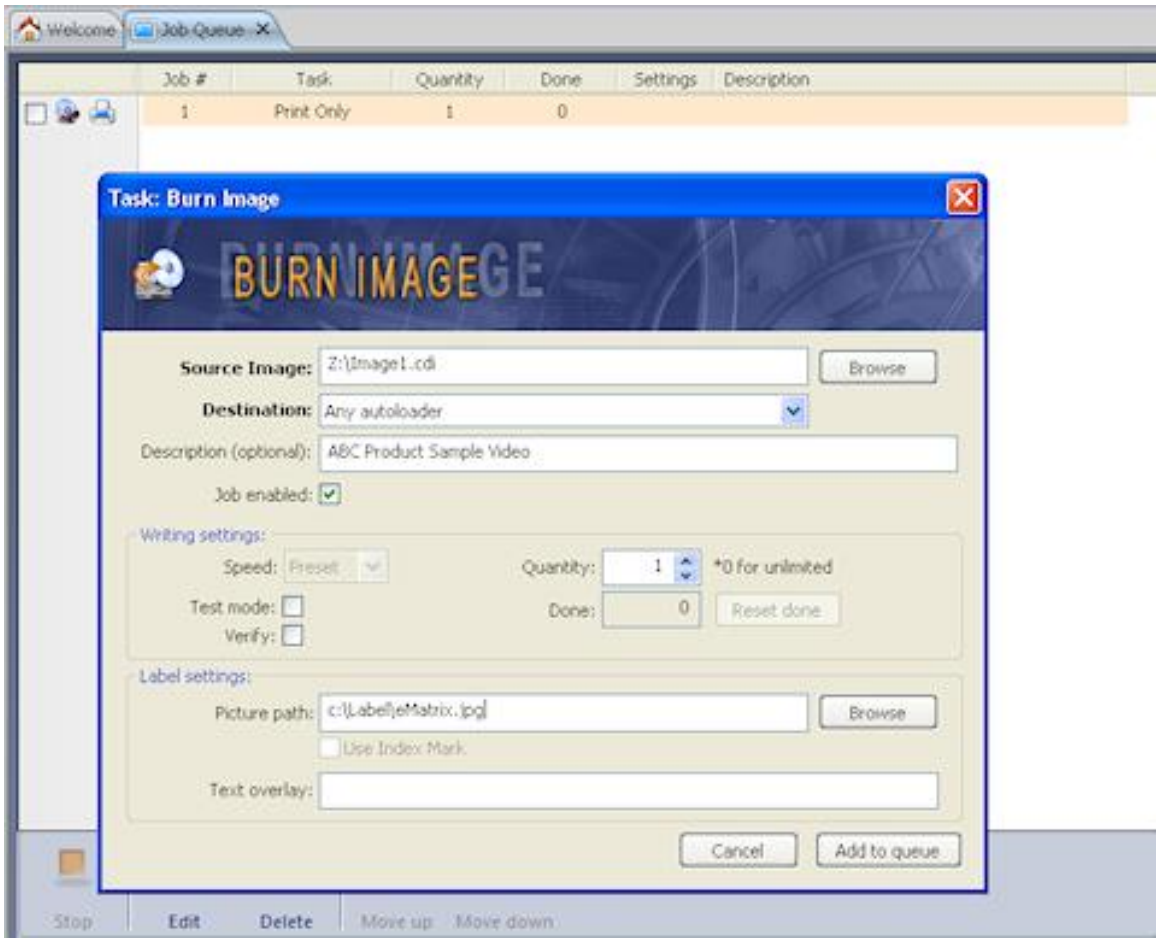
Clicking the symbol in the lower right window will maximize the size of the job window as shown below. You can switch back by clicking this symbol again.



Edit Job

BPR2000 supports the ability to change quantities, change the print file, disable the job, add text overlay information, or enable/disable the verify operation. If a job is running and you decide to edit the job, you can only change the quantity or disable the job by un-checking the "Job enabled" box.

The screenshot below shows a Burn Image job that the operator wishes to edit. In this case, you can increase the quantity, or disable the job, and click the "Save" button.



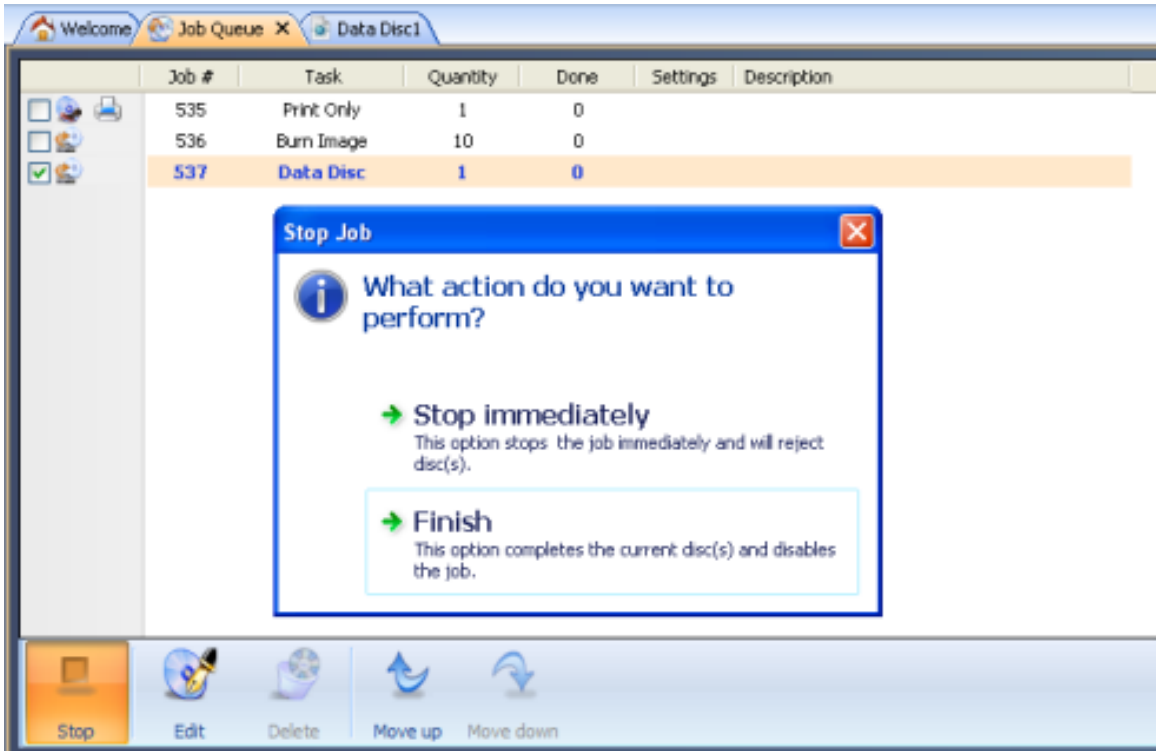
Move Job

BPR2000 supports the ability to change the priority of any job listed in the Job Queue window by simply selecting the job, and them clicking the "Move Up" or "Move Down" button.

NOTE: You cannot change the priority of a job currently running – the job must not be running.

Stop Job

You can stop a job by selecting the job and then click the "Stop" button next to the "Edit" button. The following dialog will appear giving you two several options depending upon the job type (Disc to Disc, Data to Image/Disc, etc):

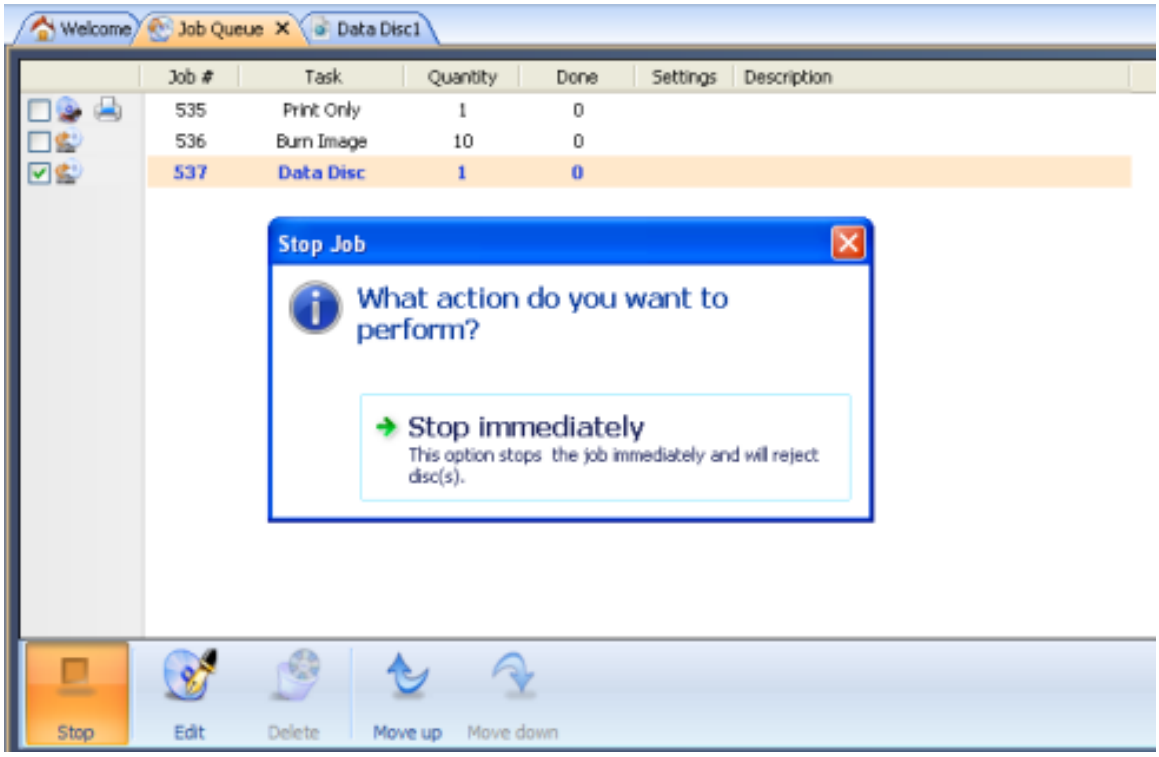


Stop Immediately will stop the current recording or printing process and place all discs in process in the reject spindle. The job will remain in the queue but will not be enabled.

Finish will complete the current discs that are in the writers or printer. After the cycle is complete, the job will stop.

Note: If the job is a Disc to Disc, the job will be removed from the queue for both the *Stop Immediately* and *Finish* selections. This is because the Disc to Disc uses a temporary image file.

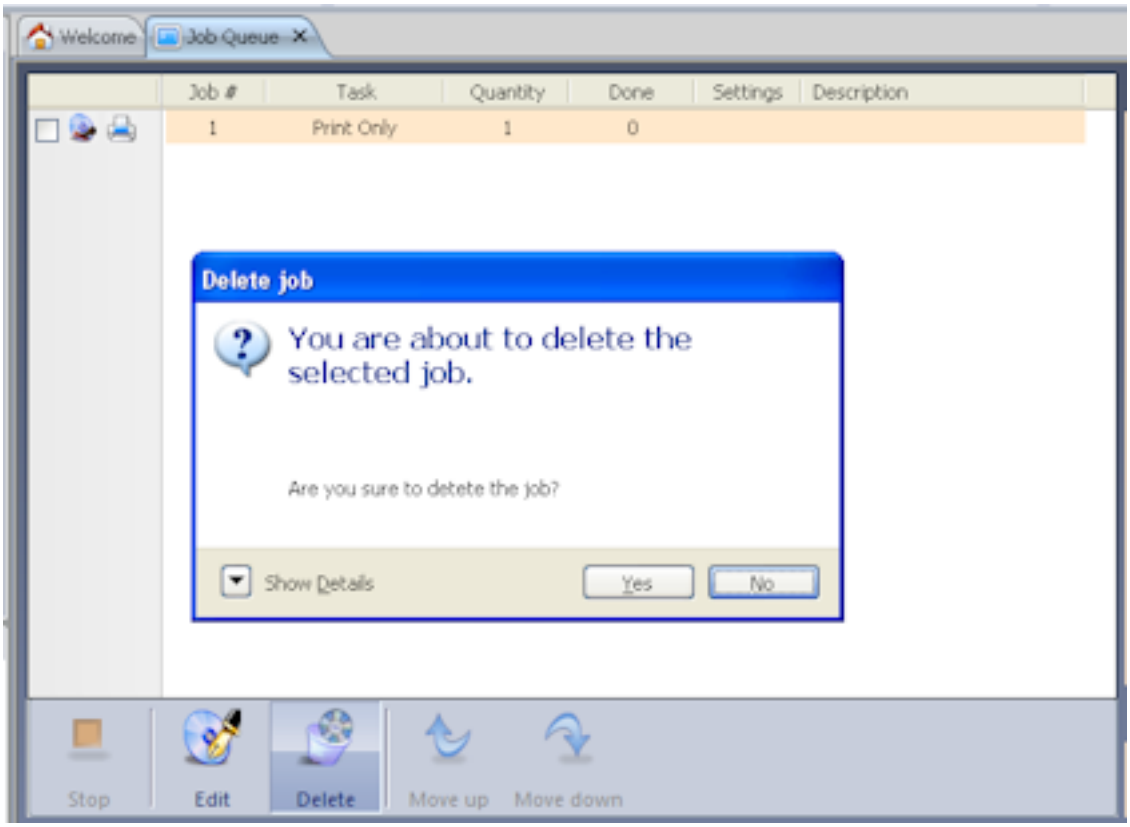
If you stop a job during the initial reading of a master using the *Disc to Disc* or *Disc to Image* job, the following dialog will appear:


Welcome
Job Queue
Data Disc1
Job #
Task
Quantity
Done
Settings
Description
535
Print Only
1
0
536
Burn Image
10
0
537
Data Disc
1
0
Stop Job
What action do you want to perform?
Stop immediately
This option stops the job immediately and will reject disc(s).
Stop
Edit
Delete
Move up
Move down

Delete Job

Jobs can be deleted from the queue by simply clicking on the job and then selecting the Delete button.

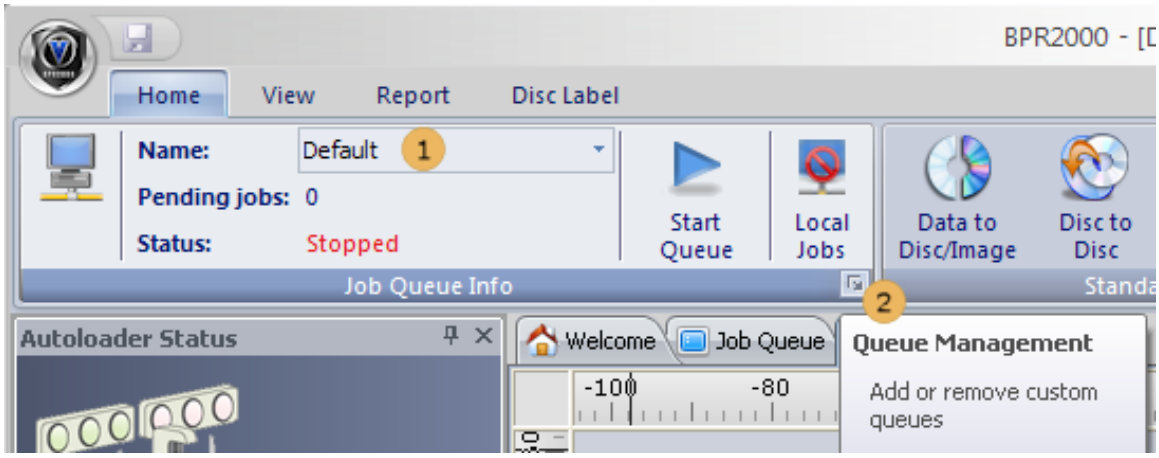
Note: If the job is running, you cannot delete it. You must first disable it by un-checking the checked box or clicking the "Stop" button. Once the job is stopped, you can then delete the job.



Queue Management

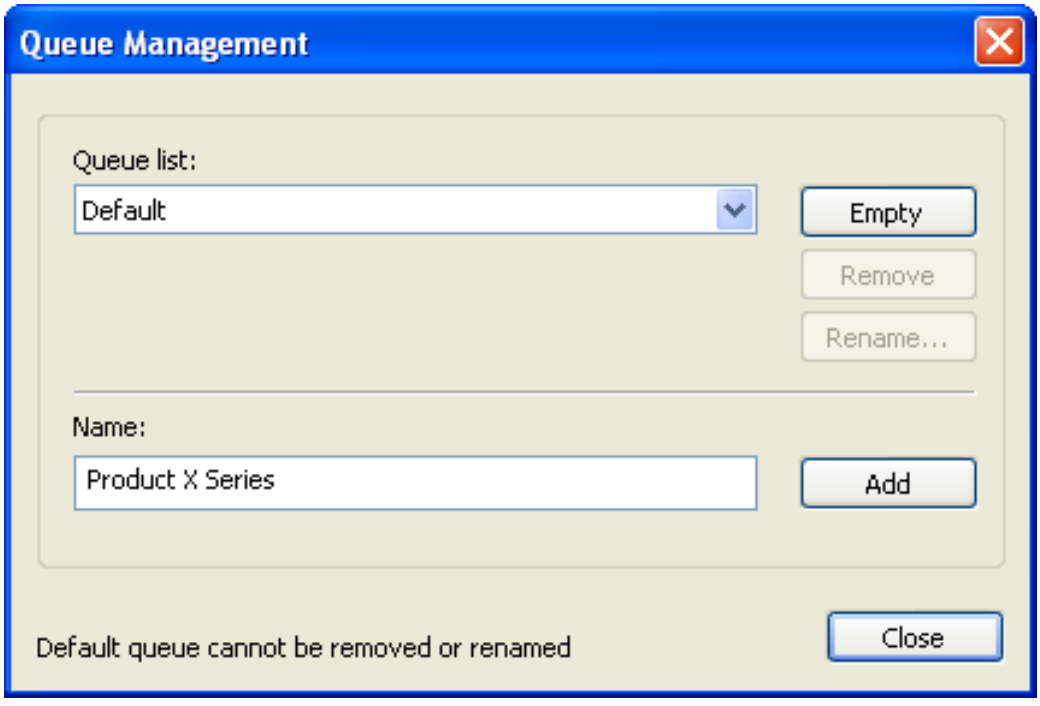
Queue Management is a solution for those users that wish to create a custom job queue that contains one or more "Burn Image" jobs.

The following are the steps to create a custom job queue.

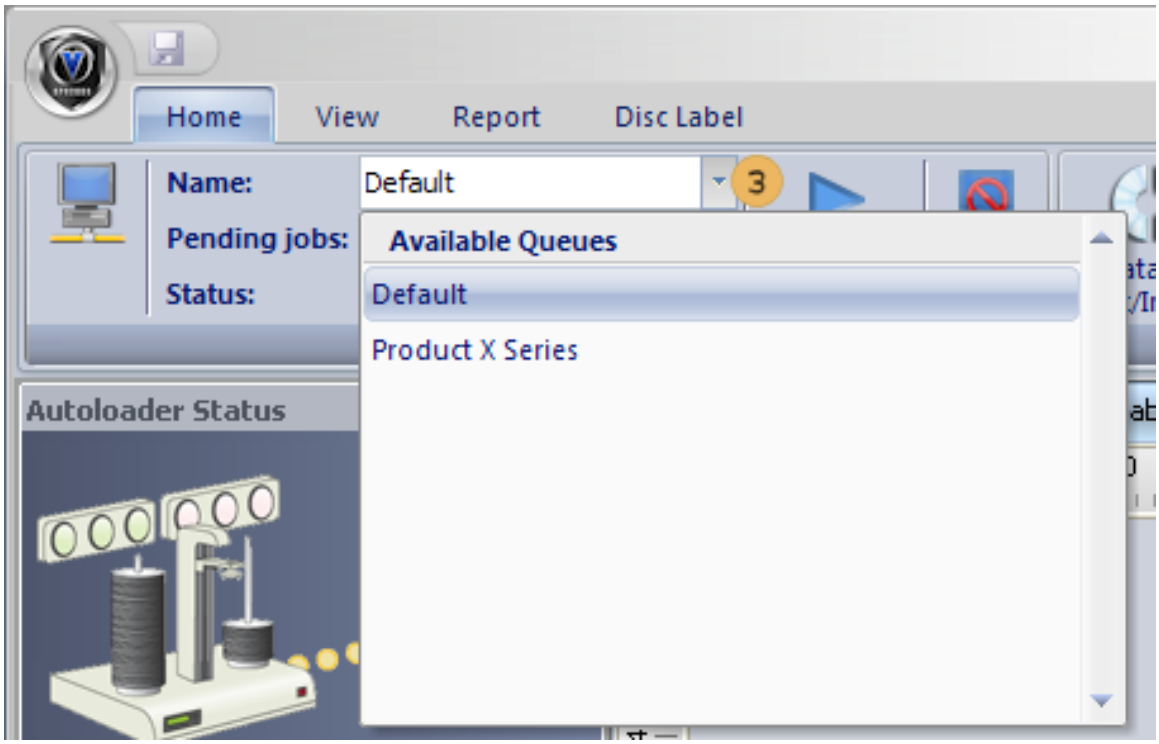


The first thing you will notice is that the name of the default queue is "Default" 1.

Step 1: Select the Queue Management button to add or remove custom queues 2.

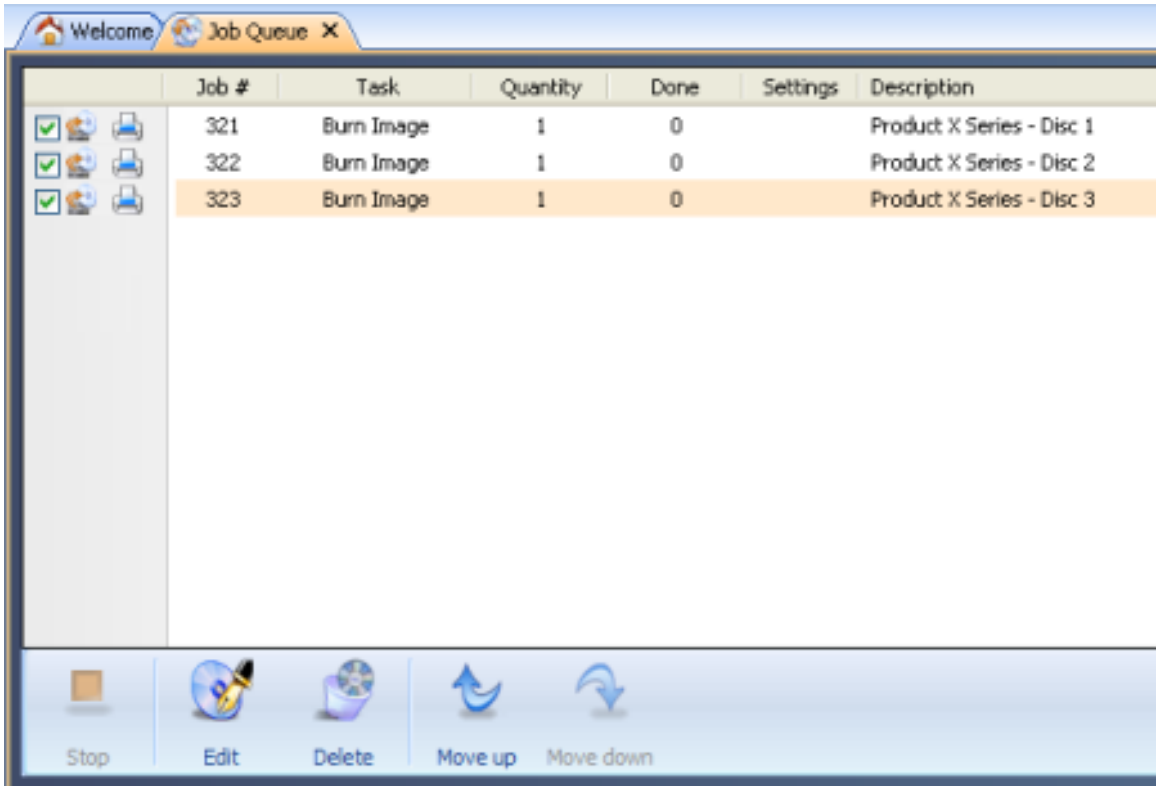


Step 2: Type the name of the custom job queue and select the "Add" button. Once the custom job queue name has been added, you can select the custom job queue by clicking on the arrow button 3 which will display the available list of queues.

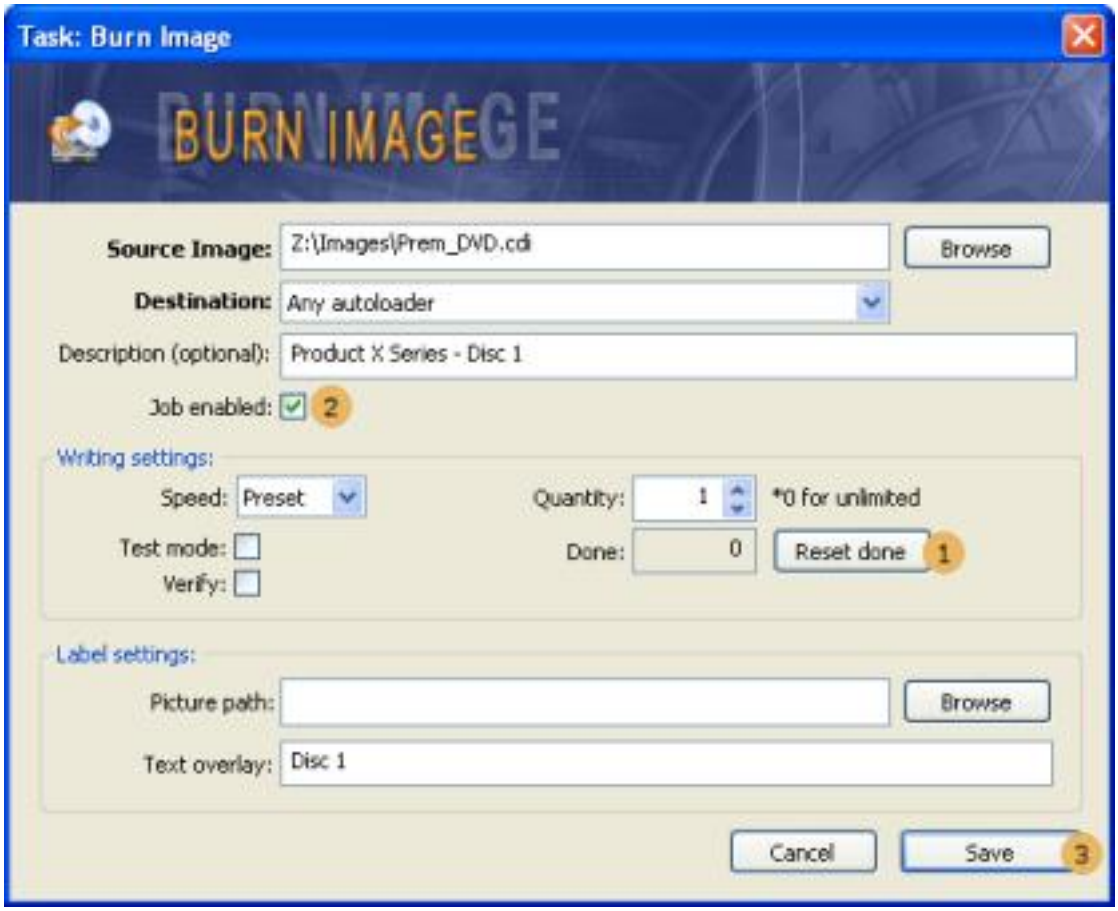


Step 3: Select the custom job queue name. In this example, it is named "Product X Series".

Step 4: Add jobs to the custom job queue by selecting the "Burn Image" job and selecting your image and print file. In this example, there are three discs that make-up this custom job queue – Product X Series. If you start the queue, BPR2000 will make one copy of each. After you are done, you can switch back to the default job queue.



Note: Once the custom job queue has completed. The individual jobs will be disabled. The next time that this custom job queue is selected, the user will be required to double-click each Burn Image task listed in the queue, click "Reset done" to reset the quantity and check the "Job enabled" box as show below:



1. Select "Reset done" 1 to reset the quantity requested.

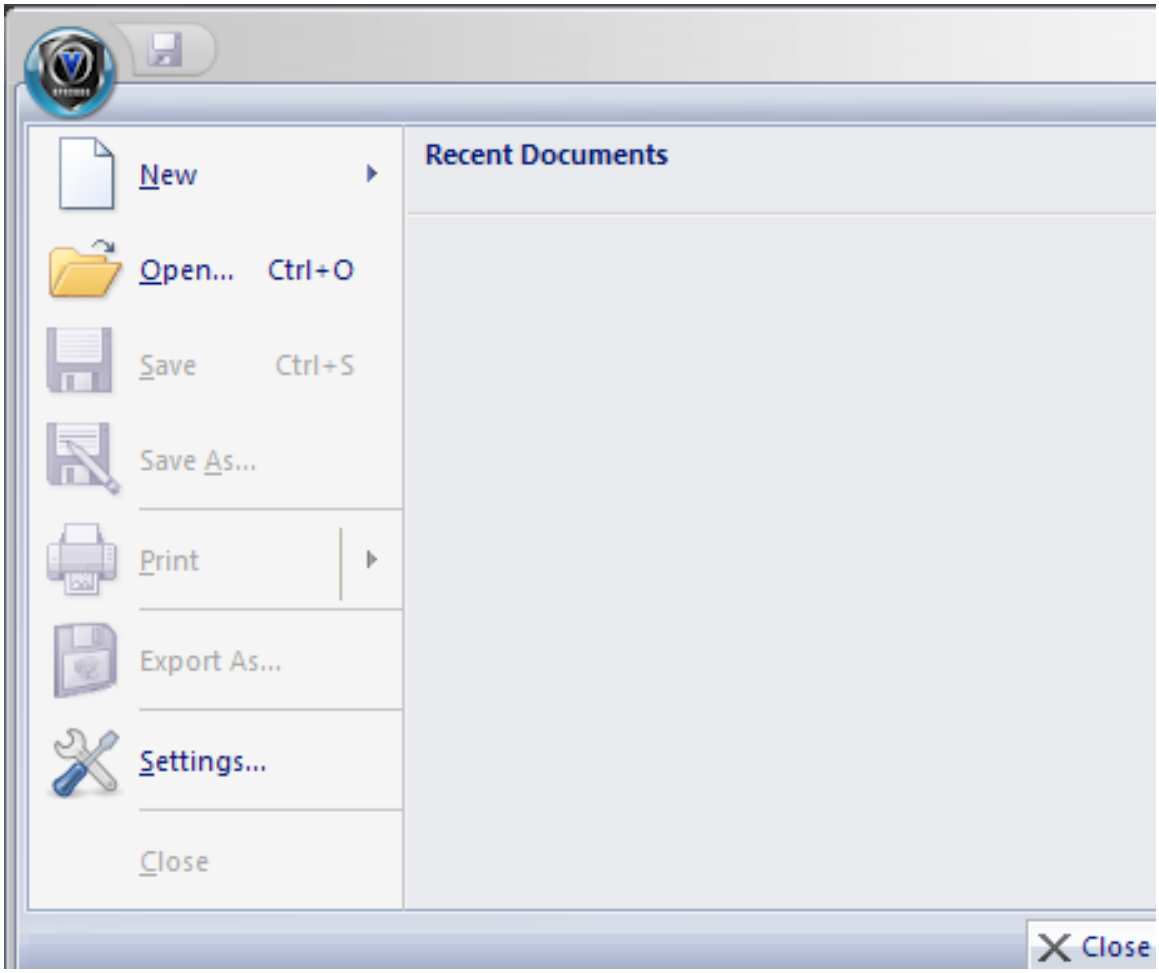
2. Place a check in the "Job enabled" box 2.

3. Click the "Save" button 3.

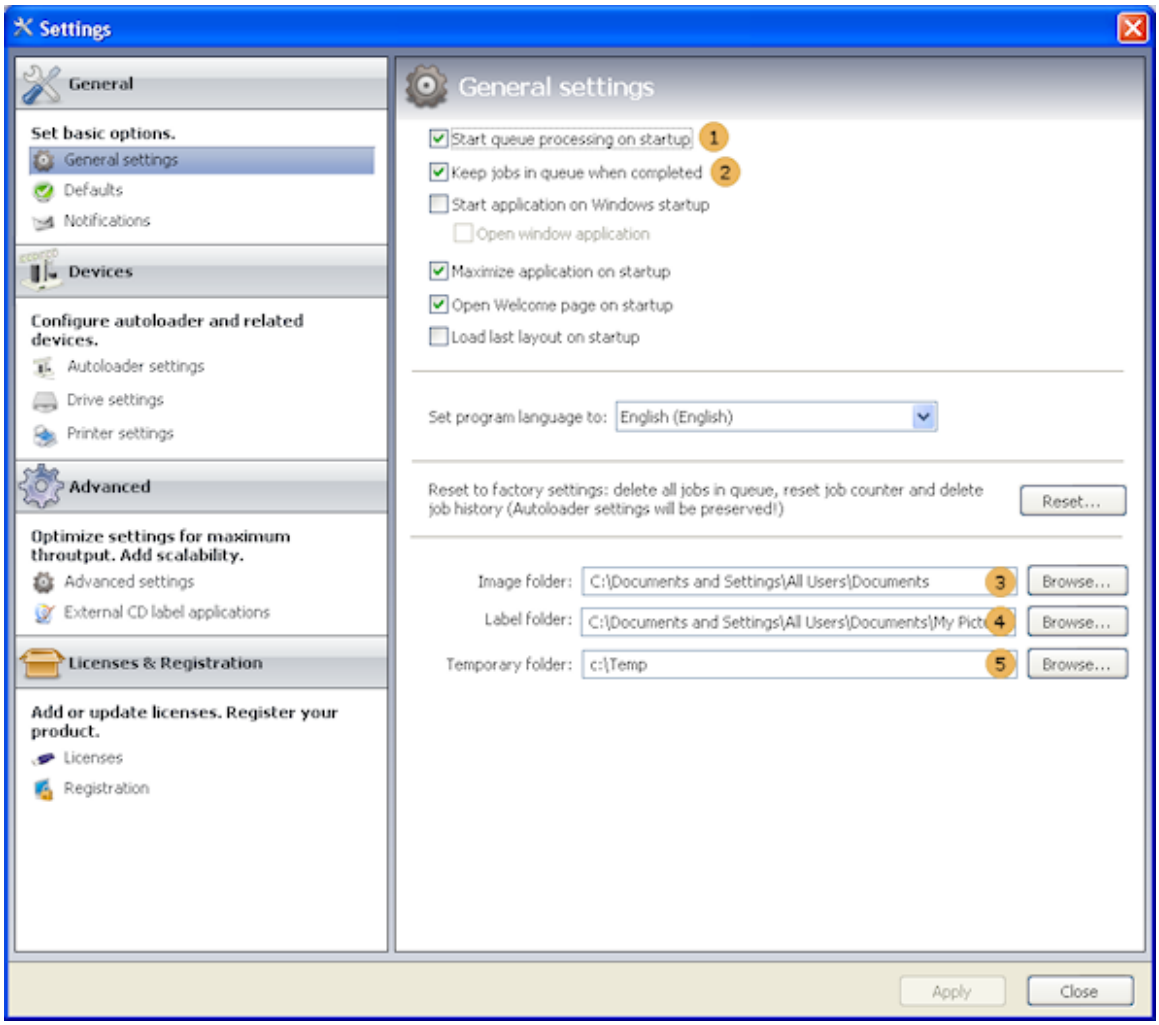
4. Repeat these same steps for all Burn Image tasks in this custom job queue.

Settings Options

The "File –> Settings" takes you into the specific settings for the Autoloader, Drives, Printer, Email notification, Default image/label paths, and other options.



General Settings



Start queue processing on startup: 1 If checked, BPR2000 will process any enabled jobs in the queue when the application opens.

Keep jobs in queue when completed: 2 If checked, BPR2000 will leave the completed jobs in the job queue window instead of removing them.

The remaining options involve the behavior of the application during program startup.

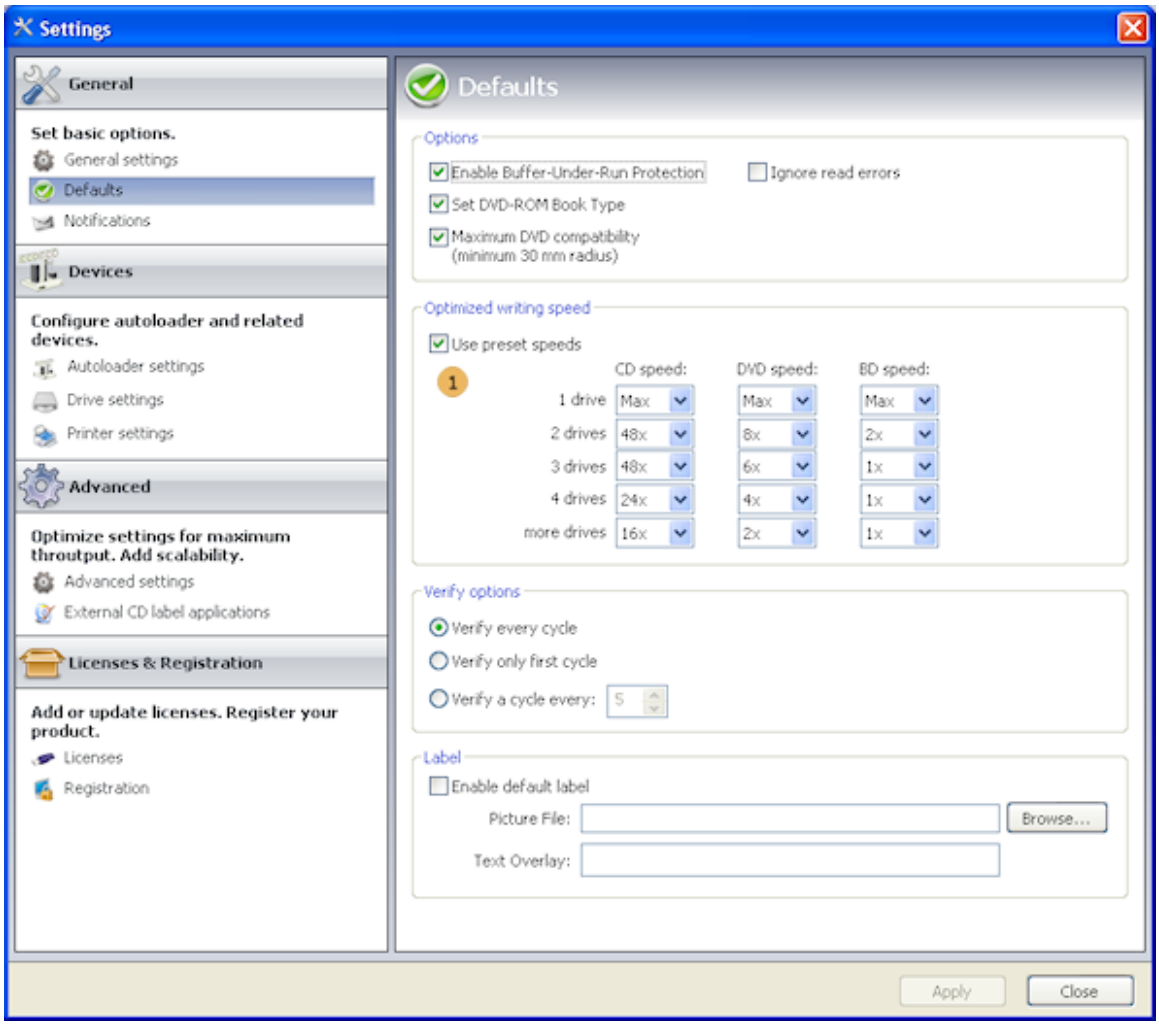
Image folder: 3 This is the default path that BPR2000 either saves or retrieves *cdi* or *iso* image files.

Label folder: 4 This is the default path that BPR2000 either saves or retrieves print label files.

Temporary folder: 5 This is the temporary location that BPR2000 uses for the creation of temporary image files.

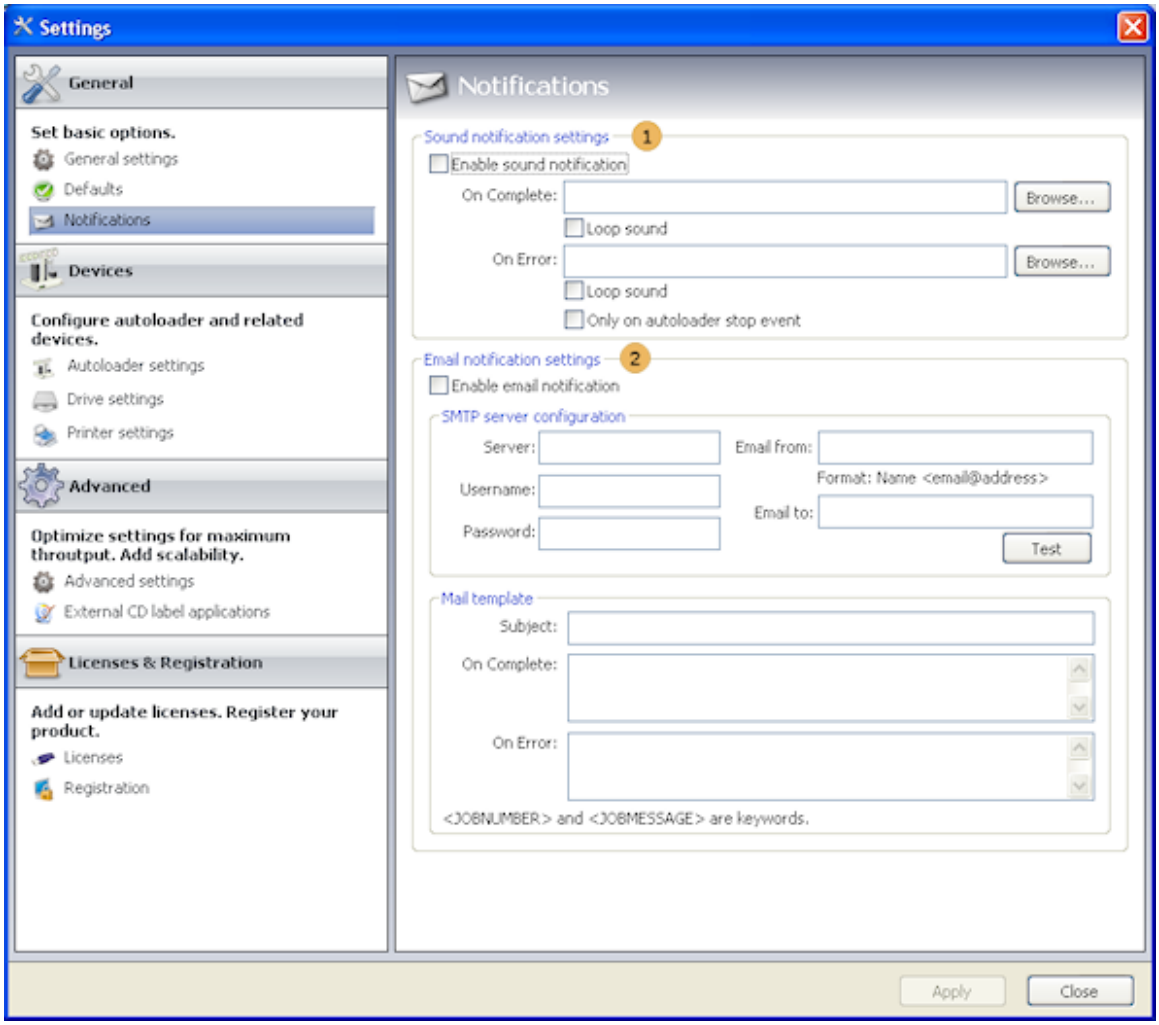
Defaults Settings

We recommend that you don't make any changes to the settings in the Defaults page below. The "Ignore read errors" is very dangerous and should not be used unless you have a specific reason for ignoring read errors.



The **preset** writing speed 1 are the recommended writing speeds based on the number of drives being used. These recommended writing speeds provide users a high level of assurance in recording a quality disc with few rejects. This assumption is based on using quality certified 8X and 16X recordable media. If you un-check the "Use preset speeds", you will have the option to specify the recording speed with each BPR2000 task. If you encounter "buffer underrun" or "no seek complete" errors during the recording process, you should enable the "Use Preset speeds".

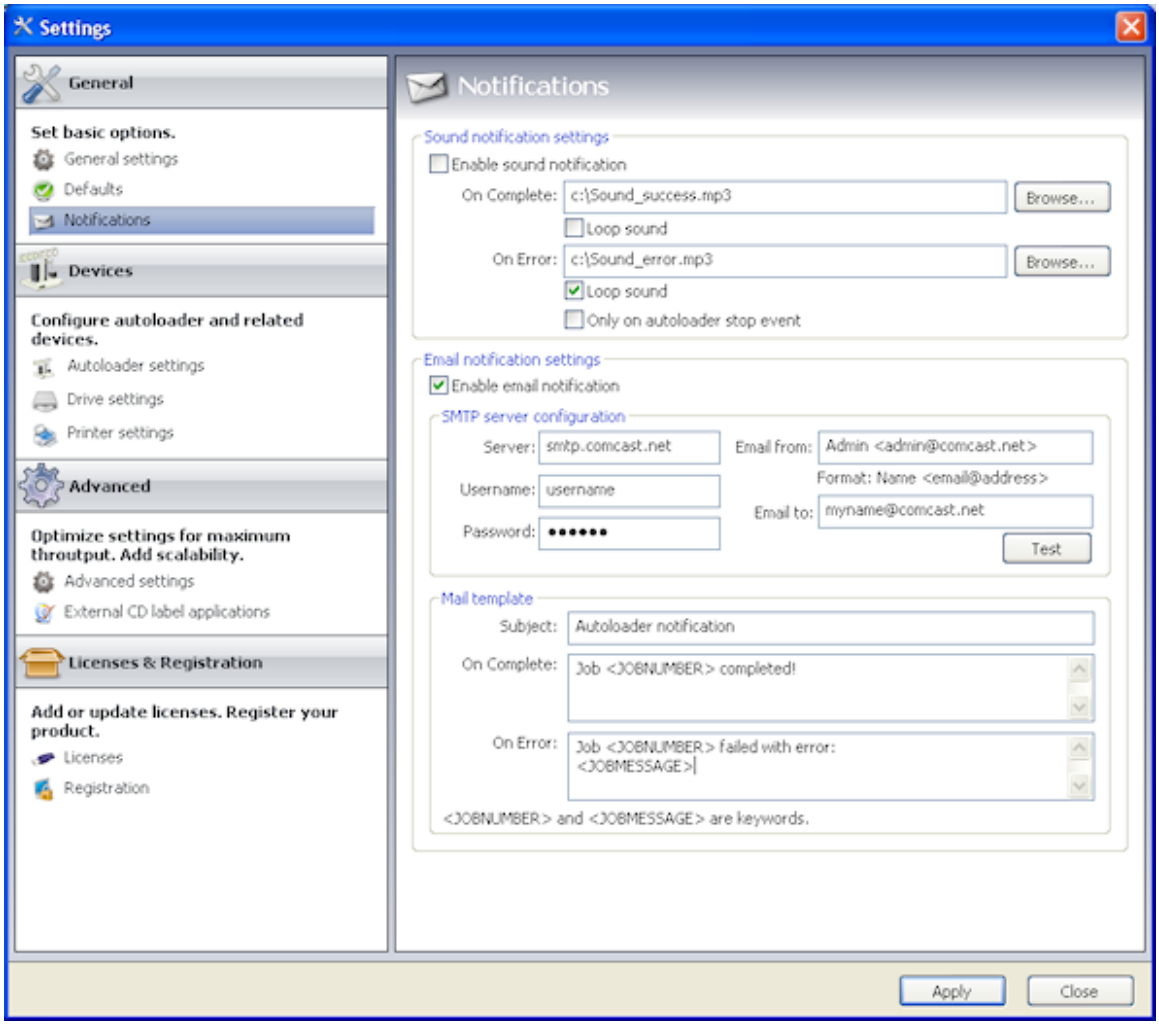
Notifications Settings



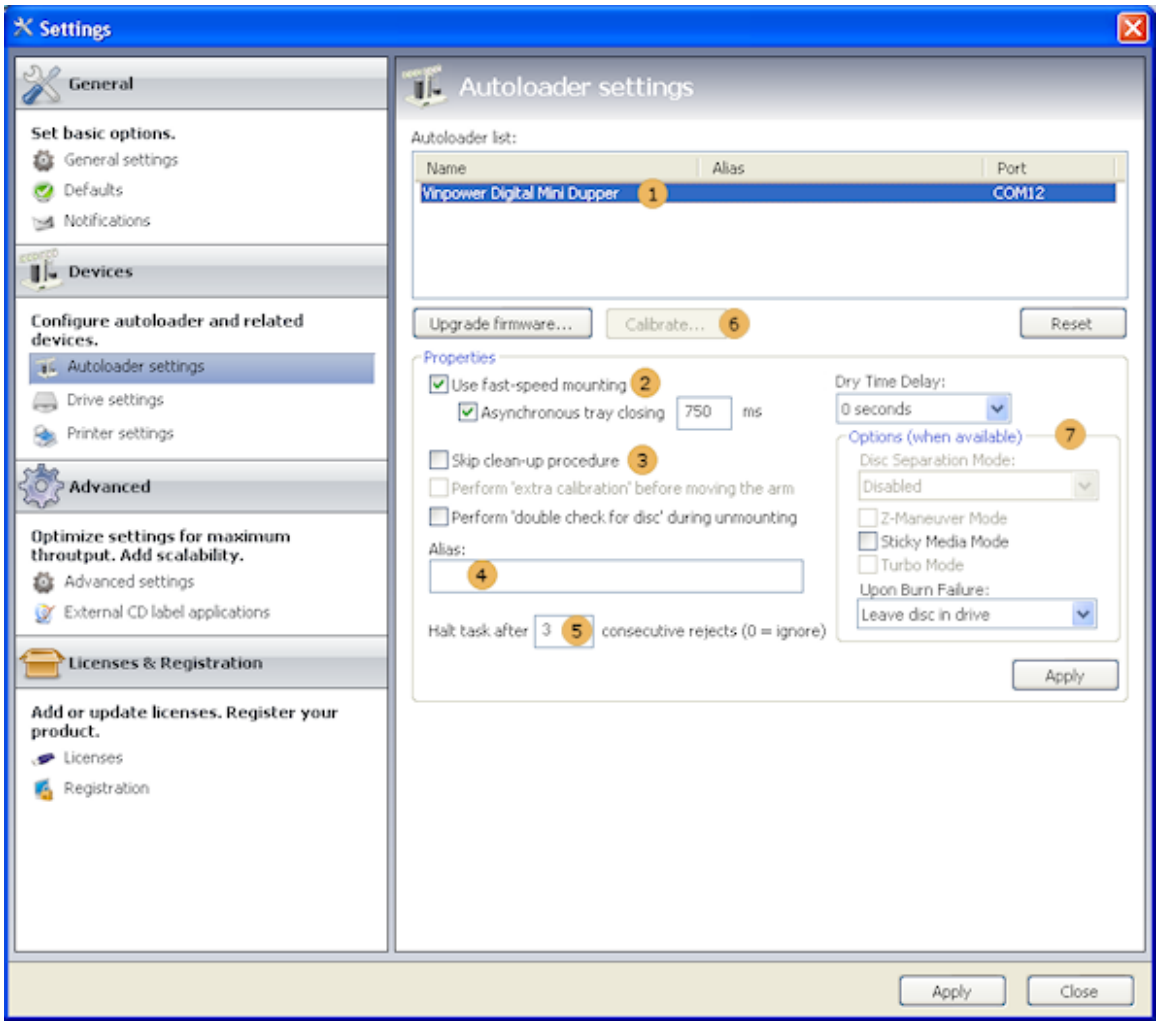
Sound Notification: 1 BPR2000 supports the feature of playing a sound file when the autoloader completes a job as well as if there is an error.

Email Notification: 2 Supports the ability to send an email to a user when a job is complete or if there is an error.

The screenshot below is an example of a user enabling the use of Sound and Email notification:


Settings
General
Set basic options.
General settings
Defaults
Notifications
Devices
Configure autoloader and related devices.
Autoloader settings
Drive settings
Printer settings
Advanced
Optimize settings for maximum throughput. Add scalability.
Advanced settings
External CD label applications
Licenses & Registration
Add or update licenses. Register your product.
Licenses
Registration
Notifications
Sound notification settings
Enable sound notification
On Complete: c:\Sound_success.mp3
Browse...
Loop sound
On Error: c:\Sound_error.mp3
Browse...
Loop sound
Only on autoloader stop event
Email notification settings
Enable email notification
SMTP server configuration
Server: smtp.comcast.net
Email from: Admin <admin@comcast.net>
Format: Name <email@address>
Username: username
Email to: myname@comcast.net
Password: ••••••
Test
Mail template
Subject: Autoloader notification
On Complete: Job <JOBNUMBER> completed!
On Error: Job <JOBNUMBER> failed with error: <JOBMESSAGE>
<JOBNUMBER> and <JOBMESSAGE> are keywords.
Apply
Close

Autoloader Settings



Autoloader Settings: 1 This dialog shows the autoloader and COM port found during initialization of the application. If no autoloader is listed, then please contact Customer Support.

Use fast-speed mounting: 2 This is the recommended setting for the time allowed between the closing and opening of a writer tray during the mounting process.

Skip clean-up procedure: 3 BPR2000 will not check the writer(s) and printer trays for the presence of disc when the queue is started.

Alias: 4 An optional field to name the autoloader.

Halt task: 5 Will stop the job queue if X number of consecutive rejects are encountered.

Calibrate: 6

- **Drive alignment**

  The Drive Alignment option is used to adjust the rotational alignment among the robotic arm & drive trays. When the Drive Alignment function is selected, the system picks a disc from the first input media bin and moves it to just above (approx. 1/4 inch) the drive tray and holds it there for adjustment.

- **Bin alignment**

  The Bin Alignment option is used to adjust the rotational alignment among the robotic arm & media bins. When the Bin Alignment function is selected, the system picks a disc from the first input media bin and holds it in the middle of the target media bin.

Options: 7

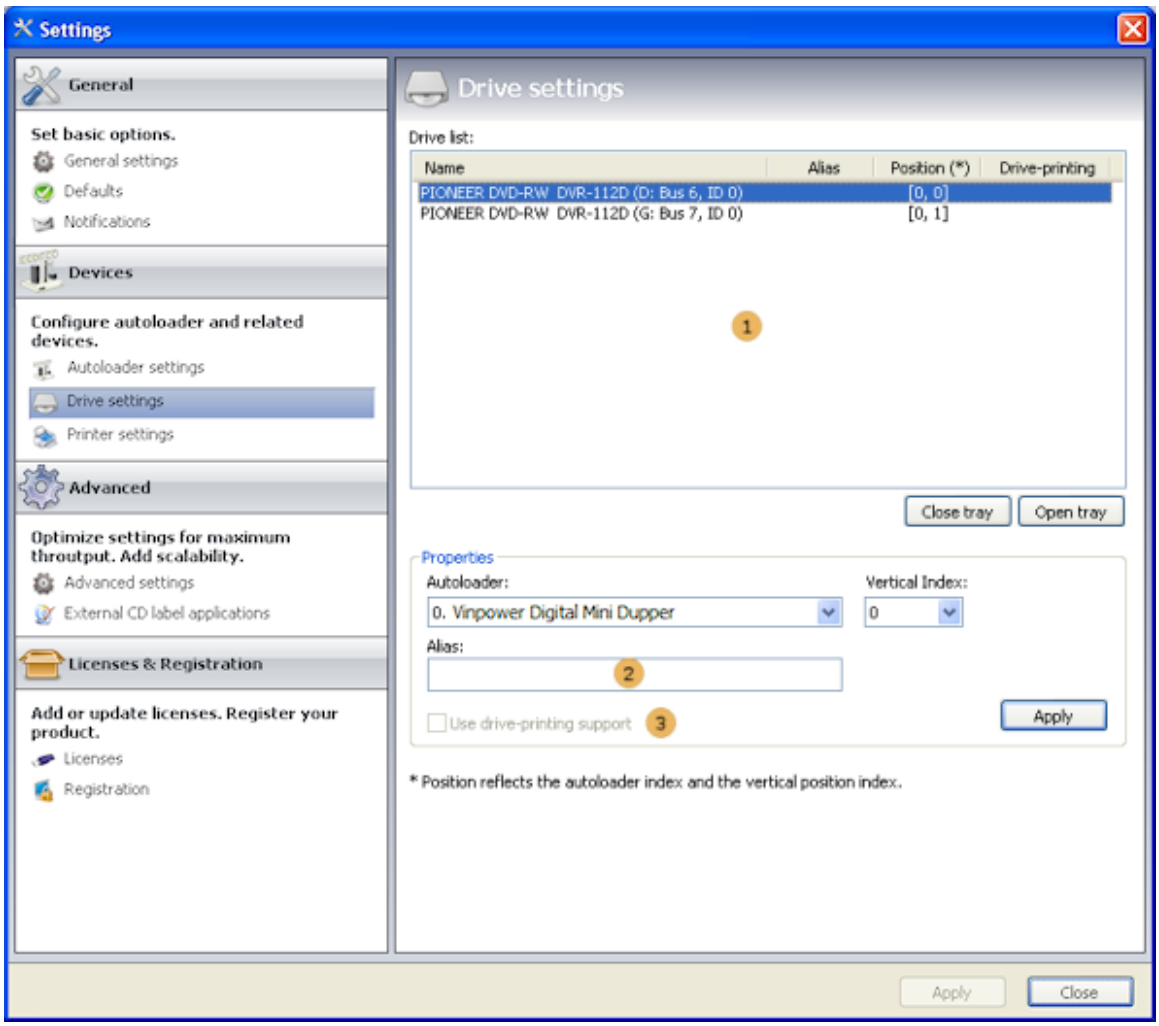
- **Disc Separation Mode**
  Use this utility to tell the system the number of times the robotic arm should shake the disc it picked up from the input media in order to reduce the disc sticking issue.

- **Z-Maneuver mode**
  Some drives have bezels that extend out from the front of the drive face. This can cause the disc to catch on the edge of the bezel of a higher drive as it is being lowered into one of the below drives. Enabling the Z form Maneuver will allow the robotic arm to lower the disc off center from the front of the drives to clear any protruding obstacles like the bezels, and then center the disc directly above the extended writer tray just before the disc is loaded.

- **Sticky Media Mode**
  - For Cube series,
    The robotic arm should shake the disc it picked up from the input media in order to reduce the disc sticking issue.

  - For other series,
    This feature protects your system by double checking that every tray is empty before loading a disc into a drive tray. The purpose is to protect against placing media in a tray if the previous loading accidentally placed multiple discs in the tray due to sticky media. By enabling this feature, it may slow down the speed of the system.

Drive Settings



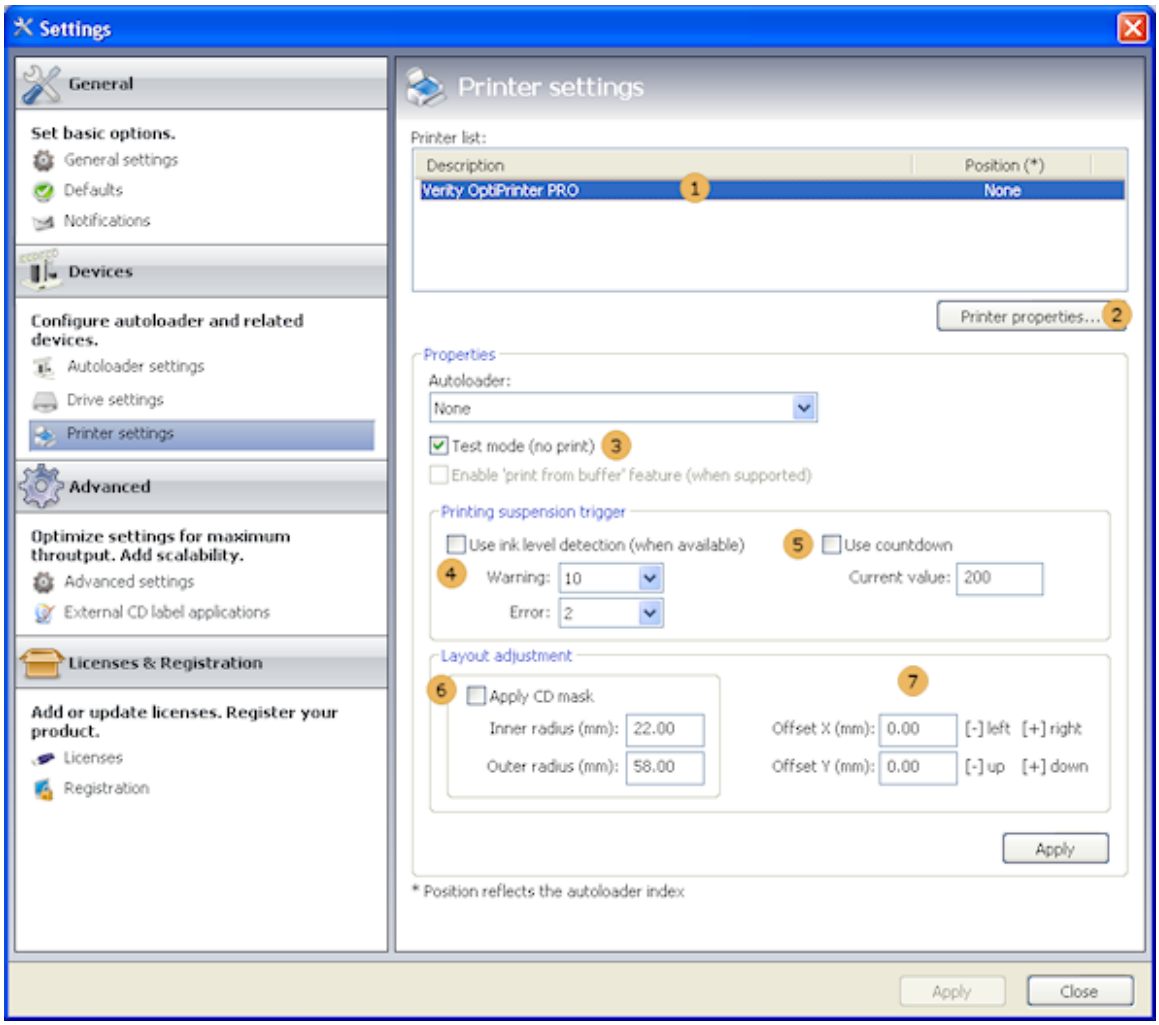
BPR2000requires that the drives be configured the first time the application is opened**.** 1 It is strongly recommended that you have the Vinpower autoloader powered on before you turn on the PC.

Note: If you don't see the number of writers you have installed in your autoloader, please call Technical Support for further assistance.

Alias: 2 An optional field to name the drives. Some users like to name the top drive in the robotic system as "Top recorder" and the lower one as "Bottom recorder" to more easily identify the drive in the robotic system.

Use drive-printing support: 3 Not available/Special Hardware required.

Printer Settings



Select the Printer that is attached to the Vinpower autoloader 1.

Printer Properties: 2 You can change the print settings - print quality, paper type, and ink volume adjustment.

Test mode: 3 If checked, any job with a print request will not be printed.

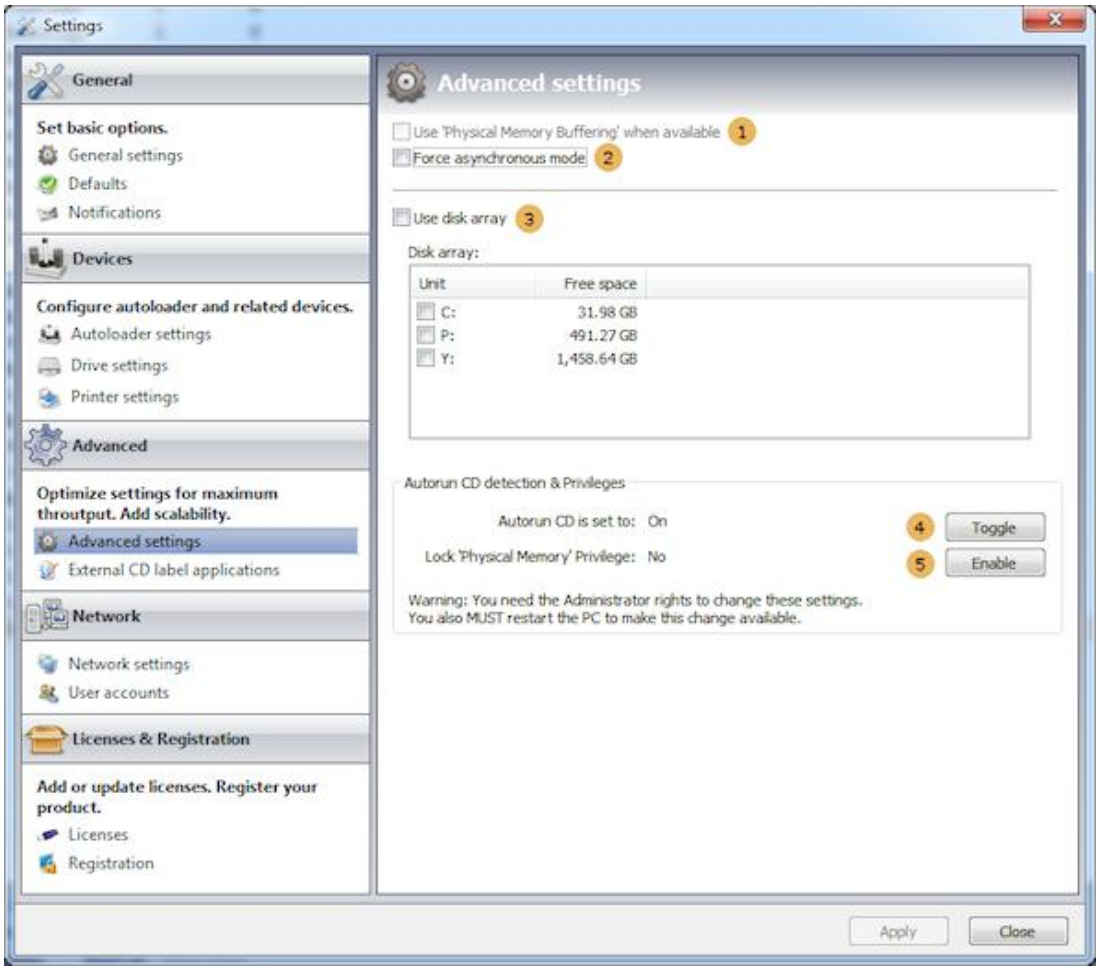
Use Ink Level detection: 4 The log message window will report a warning message when the ink from either cartridge reaches 10%. At 2%, the autoloader will stop.

Use countdown: 5 Depending upon the ribbon type, the current value should be set to the maximum prints that the thermal ribbon will support. This is a manual entry.

Apply CD mask: 6 This will create a mask at the setting specified for the inner and outer radius – the graphics print file will automatically be sized to fit within this mask.

The X and Y offsets 7 provide an easy way to center the graphics file on the disc. This option is only used with jpg, bmp, tif, or png files.

Advanced Settings



Use "Physical Memory Buffering" when available: 1 If the PC has enough memory to hold an entire DVD or CD image in memory, then this option will load the image into memory and offer the best I/O performance to the recorders.

Force asynchronous mode: 2 Enable single I/O thread per recorder.

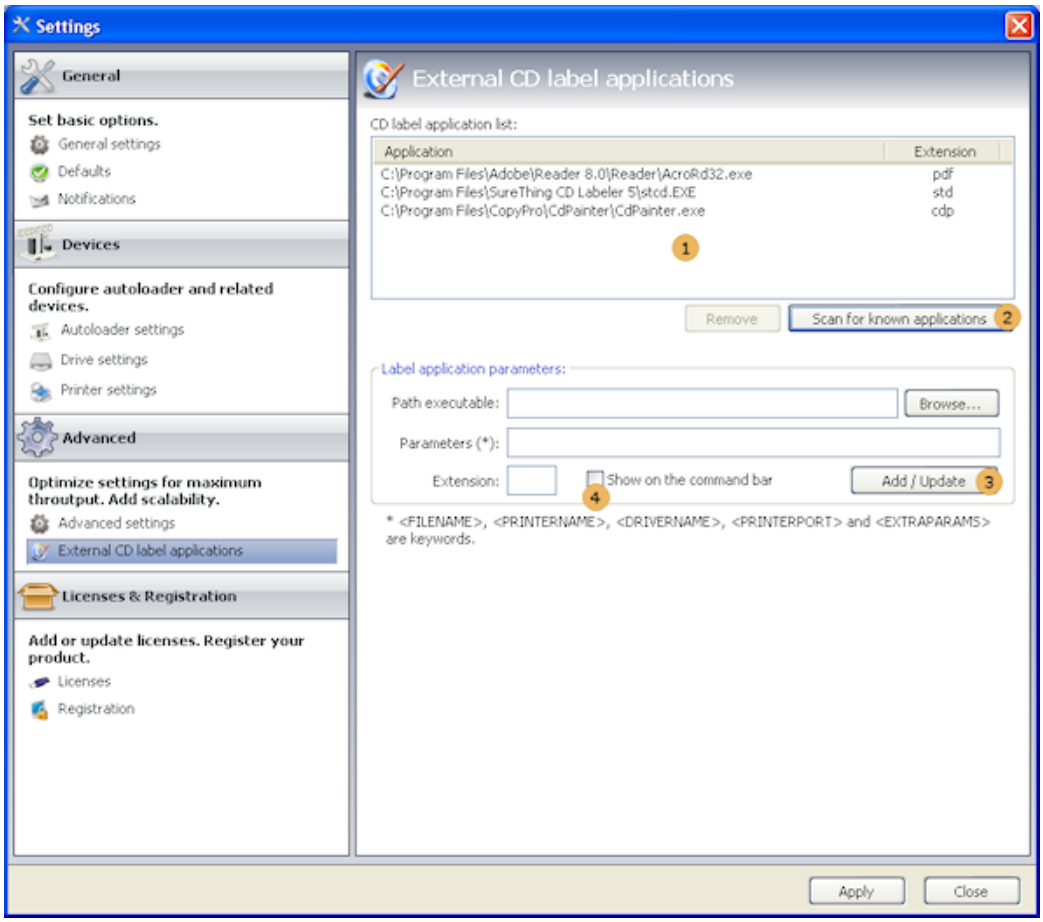
Use disk array: 3 Store temporary image files into the selected disks to increase burning performances.

Autorun: 4 It is recommended that you toggle to "Off" so that the writers don't attempt to run an autorun.exe on the duplicated disc after the recording has completed.

Lock Physical Memory: 5 This is required if you wish to use the "Physical Memory Buffering" option above. Windows XP Professional requires Administrator rights to enable this feature.

External Label Applications Settings

BPR2000 supports several third party label applications file formats – CD Painter, Surething, Bartander and Adobe Reader. A user can select the actual native file format used by these applications (.cdp, .std, .pdf and .btw) with any of the jobs. In addition, BPR2000 can place an icon of the application on the main BPR2000 toolbar interface.



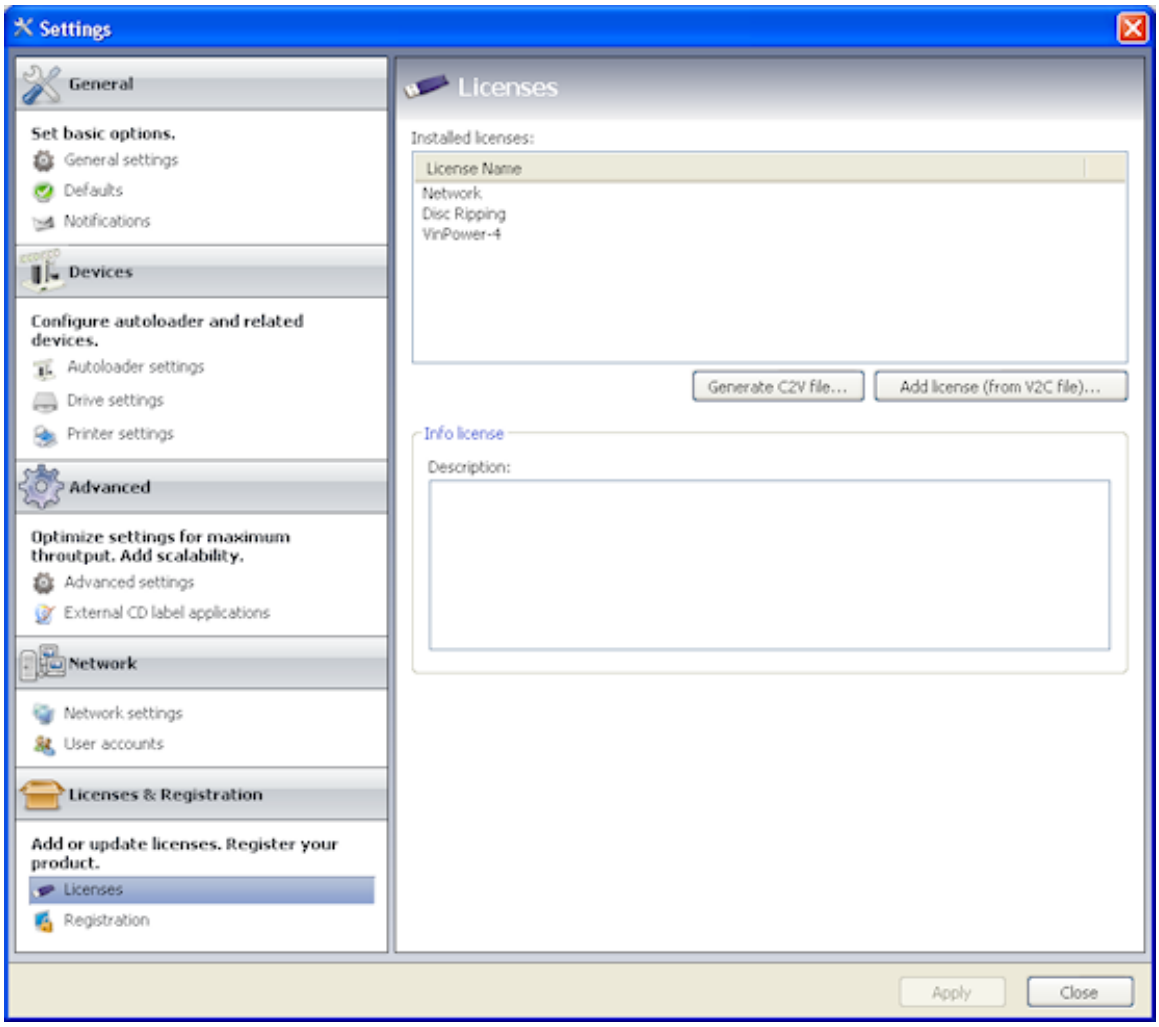
The dialog 1 shows the applications found CDPainter and Surething on the hard drive.

After the "**Scan for known applications**" is performed 2 you can place a check in the box next to "Show on the command bar" 3, click the "Add/Update button" 4, then Save.

The main BPR2000 interface now has a CD Painter and SureThing icons after the "save" is executed:

Licenses Settings

The following window displays the current BPR2000 license(s) that have been installed on your Vinpower autoloader duplication system.

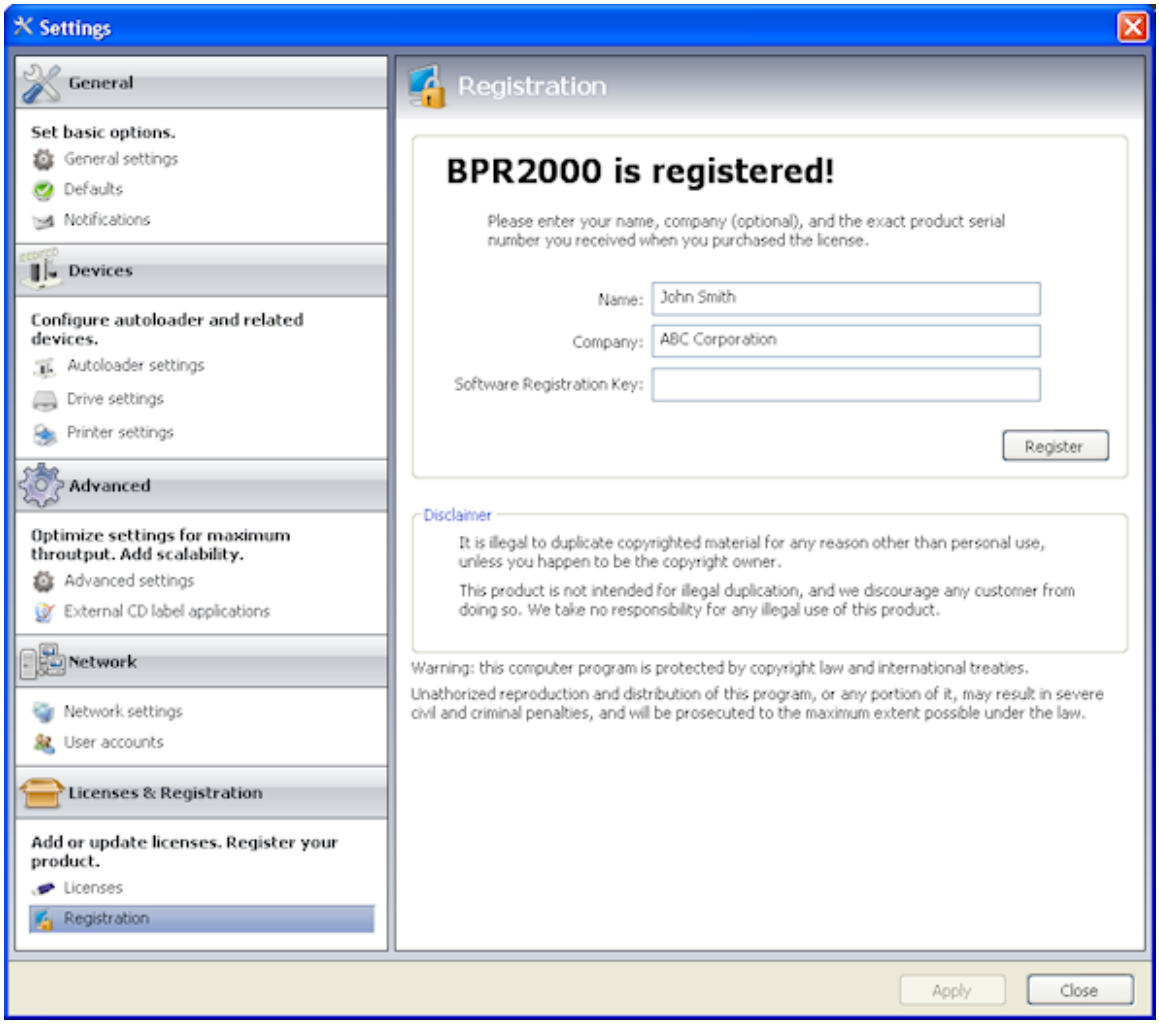


The procedure to add a new license or feature like our networking option requires the user to select the button labeled "Generate c2v file". Once this file is created, the user should email this file to the company you purchased the Vinpower autoloader system so that the file can be updated with the new feature. A new file with the extension "v2c" will be emailed back to you so that the "Add license from V2C" button can be selected. Once this operation has been completed, the new license will appear in the license window.

Note: You need to exit BPR2000 and then restart to enable any new license/feature added via the procedure above.

Registration Settings

BPR2000 requires a serial number to operate the writers at maximum speed and record more than 2 copies. The application will request for the serial number (also called *Software Registration Key*) during installation. If the serial number is not entered at the time of installation, then the user can select the "Settings -> Registration" to enter the registration serial number again. BPR2000 will change the "not registered" to "registered" when a valid serial number has been entered.


Settings
General
Set basic options.
General settings
Defaults
Notifications
Devices
Configure autoloader and related devices.
Autoloader settings
Drive settings
Printer settings
Advanced
Optimize settings for maximum throughput. Add scalability.
Advanced settings
External CD label applications
Network
Network settings
User accounts
Licenses & Registration
Add or update licenses. Register your product.
Licenses
Registration
Registration
BPR2000 is registered!
Please enter your name, company (optional), and the exact product serial number you received when you purchased the license.
Name:
John Smith
Company:
ABC Corporation
Software Registration Key:
Register
Disclaimer
It is illegal to duplicate copyrighted material for any reason other than personal use, unless you happen to be the copyright owner.
This product is not intended for illegal duplication, and we discourage any customer from doing so. We take no responsibility for any illegal use of this product.
Warning: this computer program is protected by copyright law and international treaties.
Unathorized reproduction and distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Apply
Close

Networking

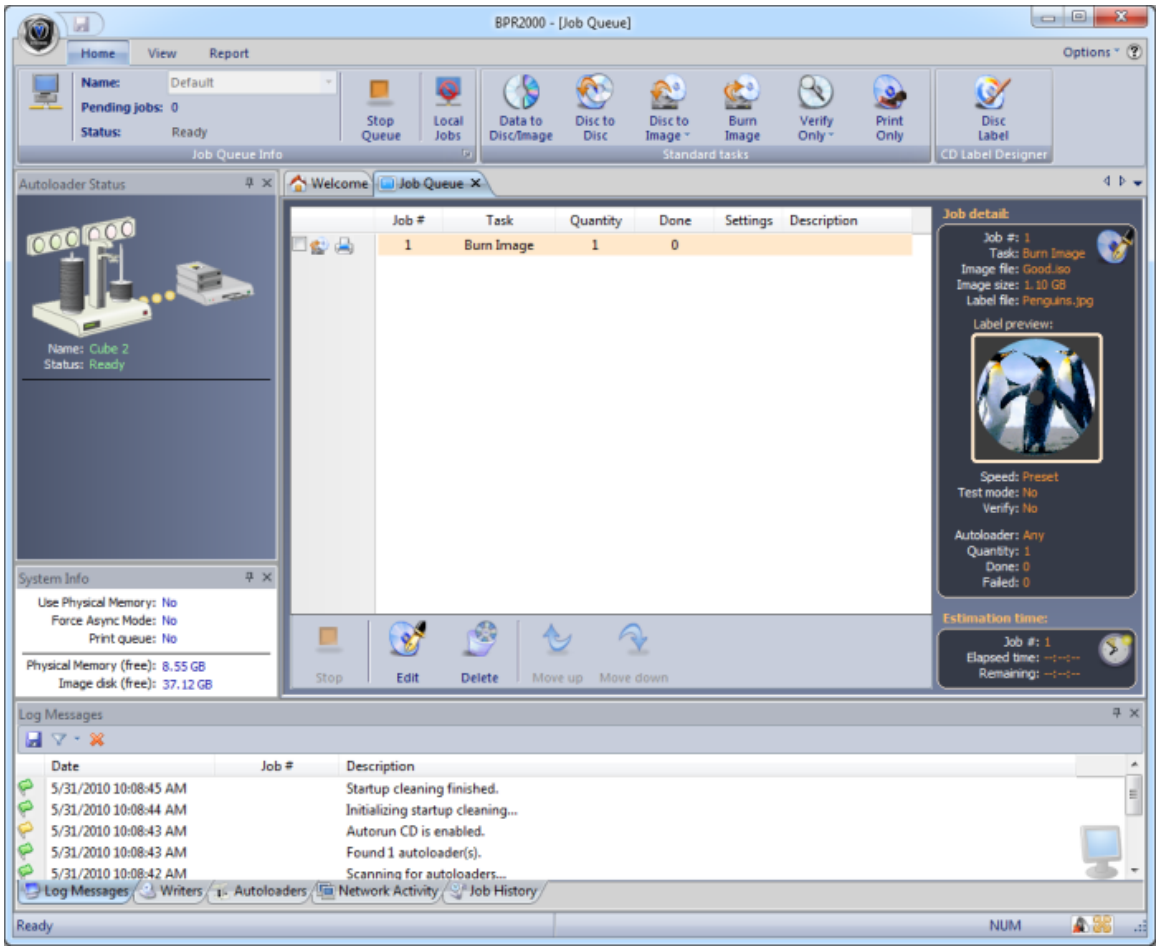
BPR2000 with Network license allows you to share your Vinpower autoloader system with other Windows XP/Vista/7 users through the network. There is no client version available for Apple or Linux/Unix operating systems although a command line utility is available for Linux users to submit jobs. The BPR2000 Client version looks almost identical to the BPR2000 interface and provides the common duplication tasks like Data to Disc/Image, Disc to Disc, Burn Image, and Print only.

In addition, the network software includes a powerful command line program called BPRnet that supports custom job submission to your Vinpower autoloader system. This is one option available to integrate custom applications with the duplication and printing process supported by the Vinpower autoloader. The other option is to use a shared "job folder" that can receive text based job files for the custom creation and printing of optical discs.

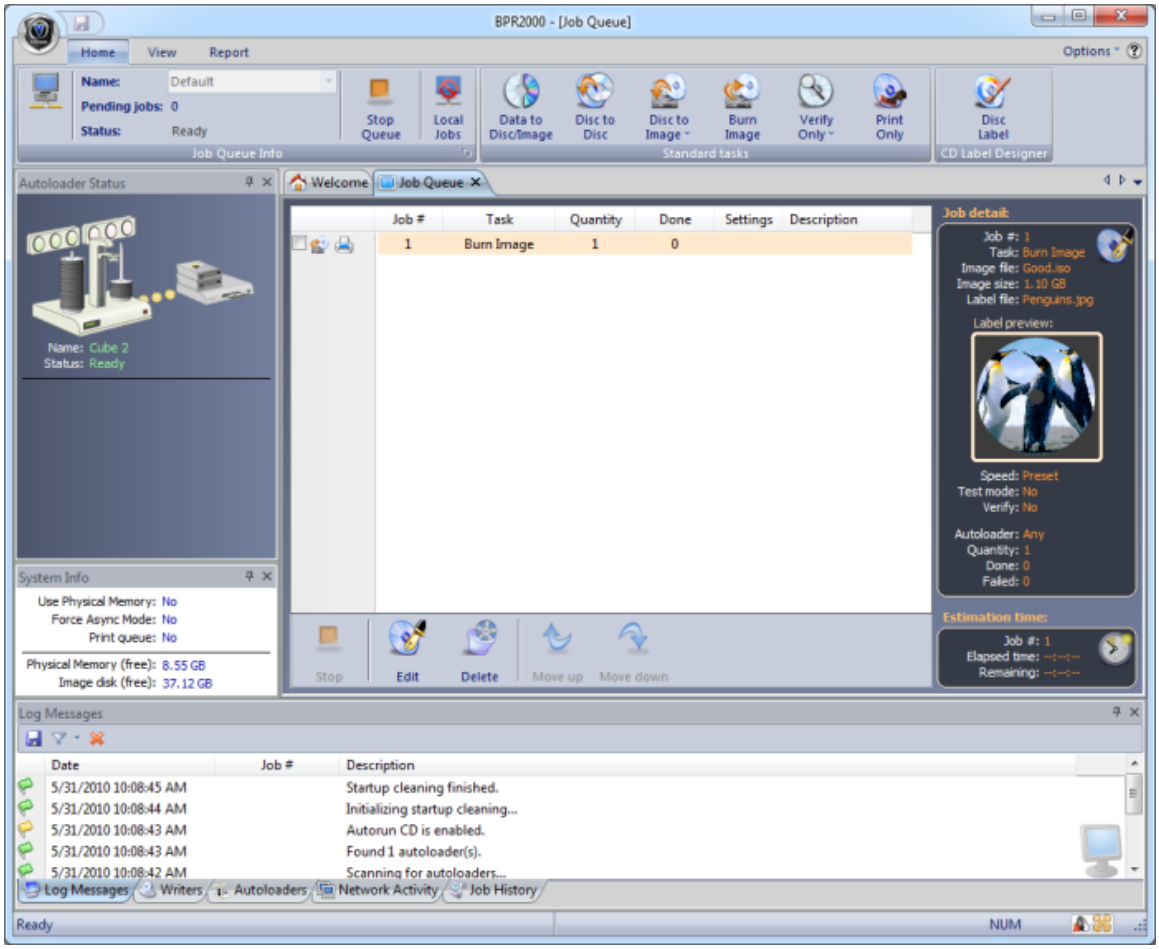
This following information will take you through the process of configuring the network option of BPR2000.

Enabling Network support on the server

Start the BPR2000 application on the server PC that is connected to the Vinpower autoloader and make sure that the "Network Activity" tab appears at the bottom of the application next to the "Autoloaders" tab. This confirms that your server has the network license.



Select the File button and then "Settings – Network" to enable network support.



Enable Networking: Check this box 1 to enable networking support.

Description: 2 This is the server name that the client application will see.

Enable Web Remote Administration: 3 This allows an administrator to open a browser and monitor the status of jobs in the queue.

Incoming Job Interfaces: 4 Administrator can set the type of job submission interfaces allowed to submit jobs to the server.

Folder sharing analyzes periodically the specified folders looking for BPRNet job files. Any path specified in the job file must be accessible by the server.

Options 5 Administrator can enable or disable user login/password. If enabled, then user accounts should be setup in the "User accounts" setting.

Allow client to see all jobs 6 If checked, every client will see all the jobs in the server queue. If not, then only the client jobs will be shown.

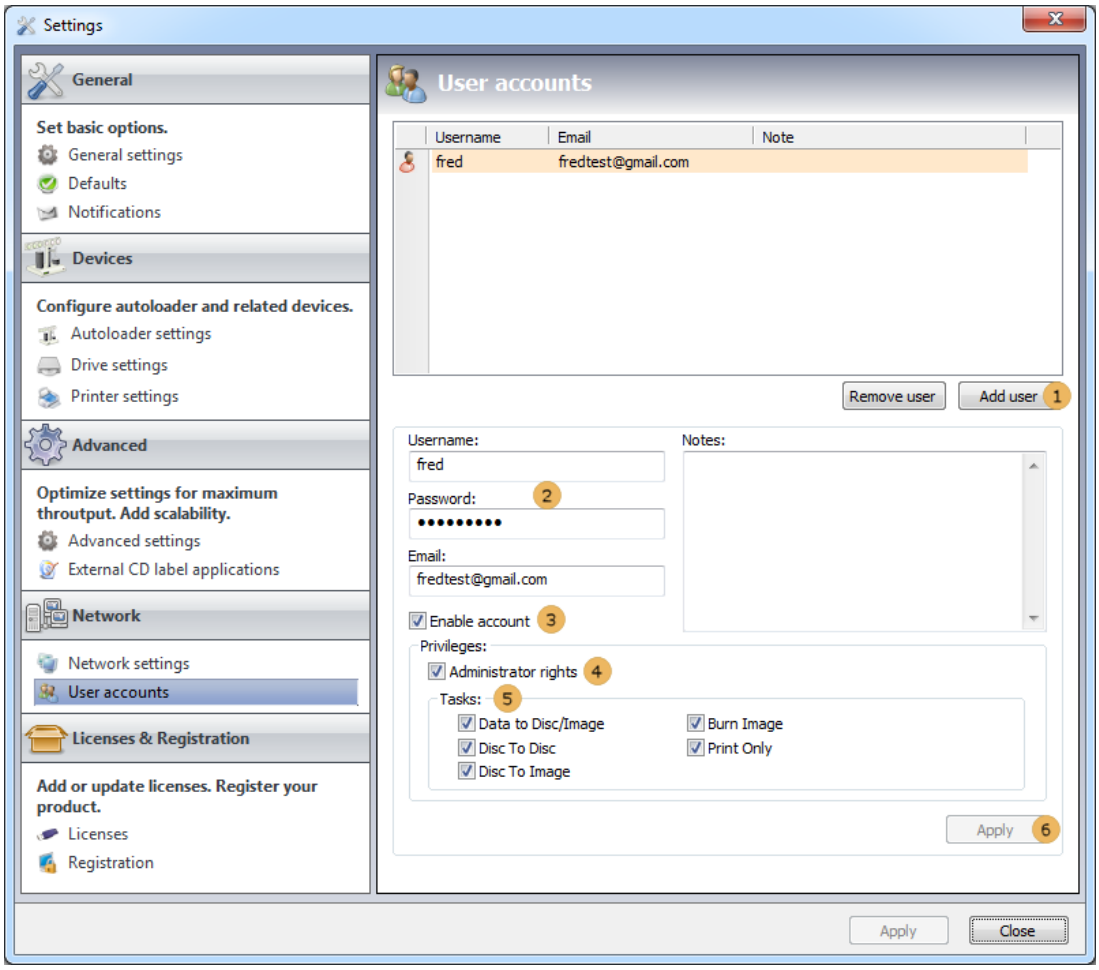
Keep jobs in queue when completed 7 If checked, then the network jobs received by the server will stay in the job queue after completion.

Maximum jobs in transferring 8 Allow the Administrator to set how many jobs the server can receive simultaneously.

Settings - User Accounts

If user authentication is checked in the Options section of the Network Settings, then the administrator should create user accounts for each user that will be submitting jobs to the server via BPR2000 Client.

The following describe the steps to add a new user to the list.



Select "**Add User**" 1 and then enter the username.

Enter the **Username** and **Password** 2. The email address is optional.

Check the **Enable Account** 3 decide if you want the user to have administrator rights. **Administrator rights** 4 allows the user to see all the jobs in the queue, to edit jobs, and to delete jobs. If Administrator rights are not given, then the user will only see their own jobs in the job queue.

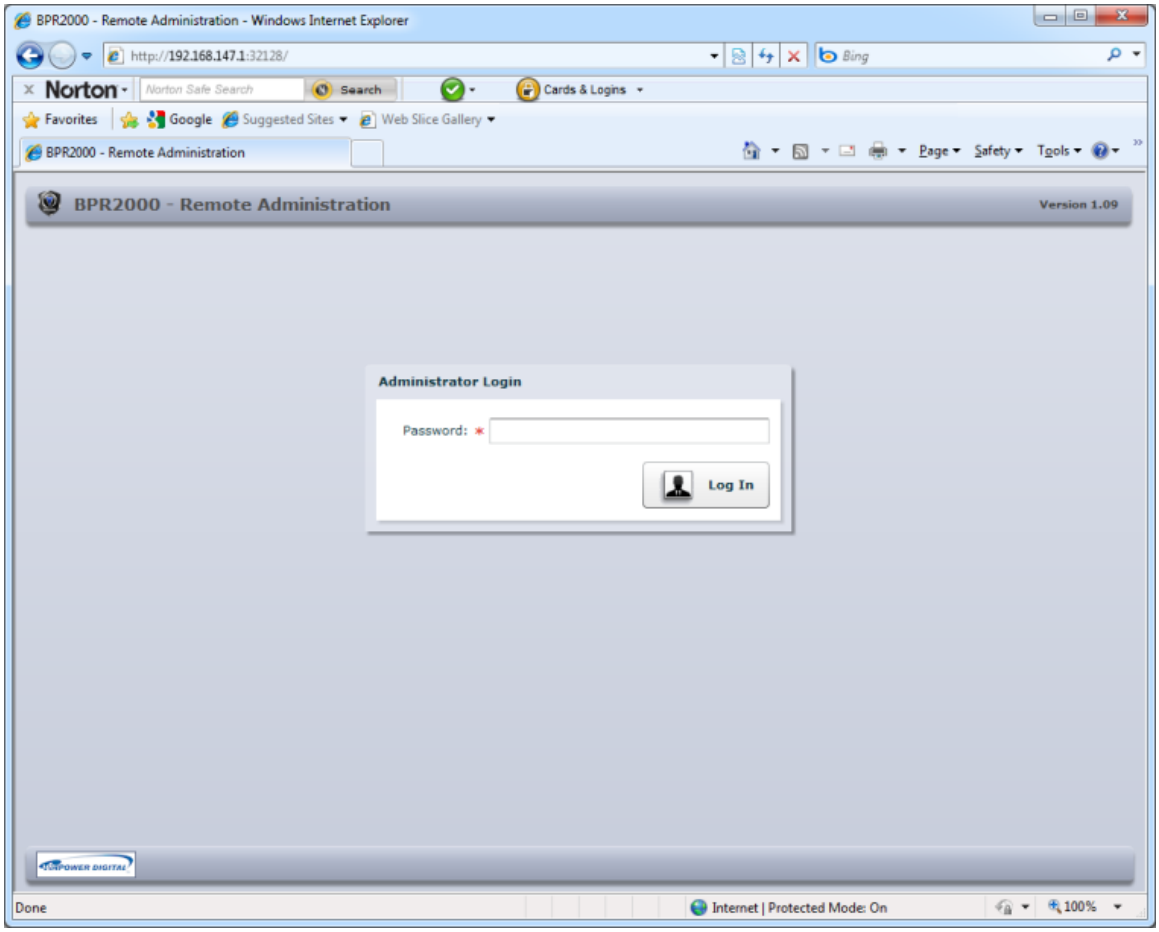
Tasks 5 You can determine if you want the user to have all the duplication tasks available or certain ones.

Important: Please hit the **Apply** button 6 to enter the User Name and password before adding another user.

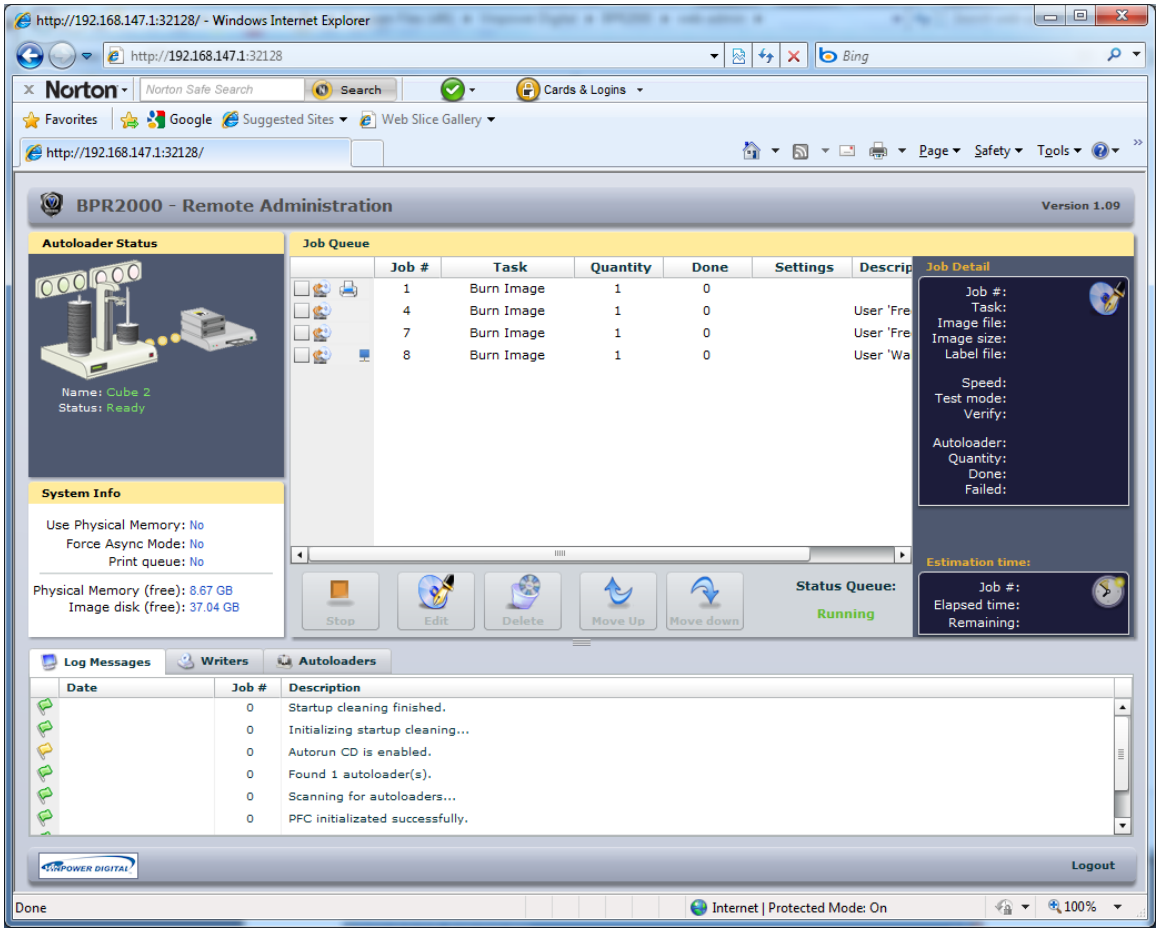
Web Based Administration

BPR2000 supports a web based application for the monitoring of jobs in the queue, ability to move jobs up or down in the queue, disable jobs, and the ability to issue a retry in the case of a stack empty condition.

Open browser, type the following in the address field "http://ip address or server name:32128". If the server's IP address is 192.168.147.1, then you would type http://192.168.147.1:32128

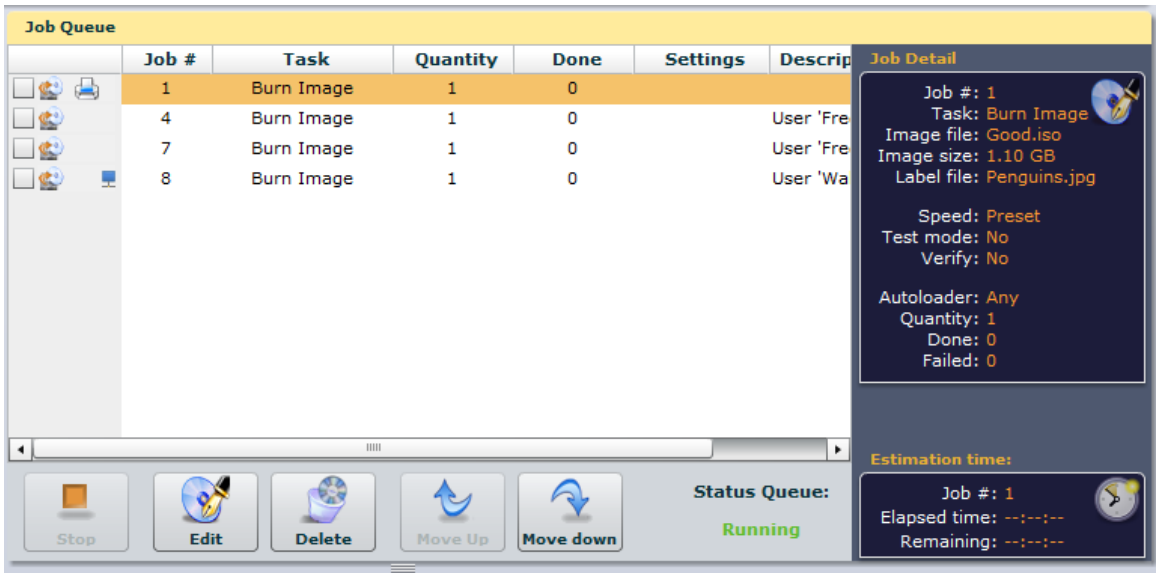


Please consult with your IT Administrator or the person responsible for the Vinpower autoloader for the password.



The web based HTML interface provides a very similar interface as the BPR2000 Client or the BPR2000 Server interface. The web based version shows the status of the Vinpower autoloader, job queue, and log messages. This interface is automatically updated every 5 seconds.

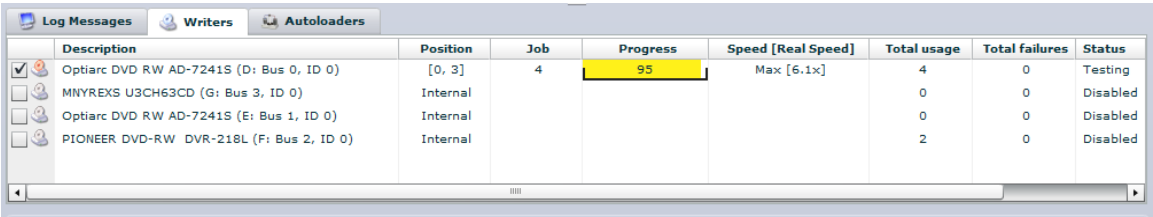
Job Queue Window



Jobs can be moved up and down, deleted, or disabled. The Edit box is not implemented at this time.

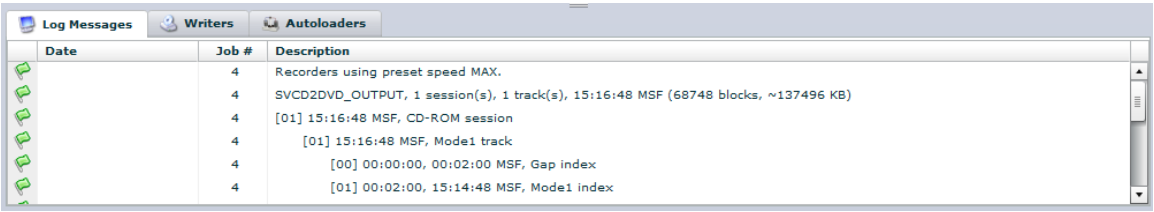
Writer tab

Selecting the writers tab, you can observe the burn process.



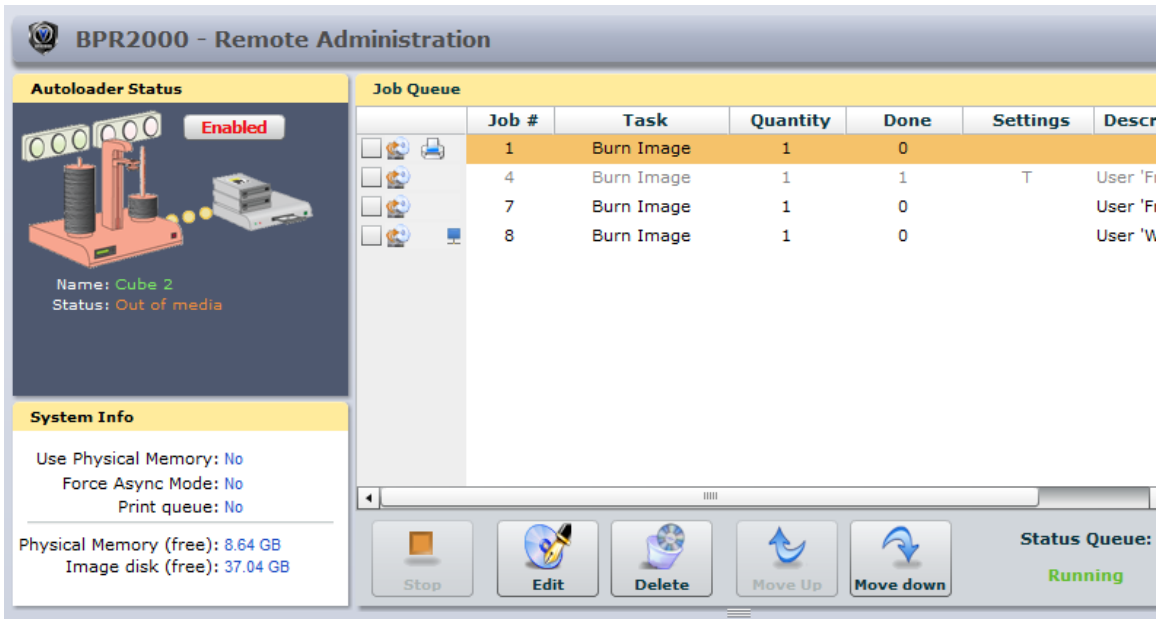
Log Messages

The same log messages that are being displayed on the server are being shown in this web window.


Log Messages
Writers
Autoloaders
Date
Job #
Description
4 Recorders using preset speed MAX.
4 SVCD2DVD_OUTPUT, 1 session(s), 1 track(s), 15:16:48 MSF (68748 blocks, ~137496 KB)
4 [01] 15:16:48 MSF, CD-ROM session
4 [01] 15:16:48 MSF, Mode1 track
4 [00] 00:00:00, 00:02:00 MSF, Gap index
4 [01] 00:02:00, 15:14:48 MSF, Mode1 index

Autoloader status

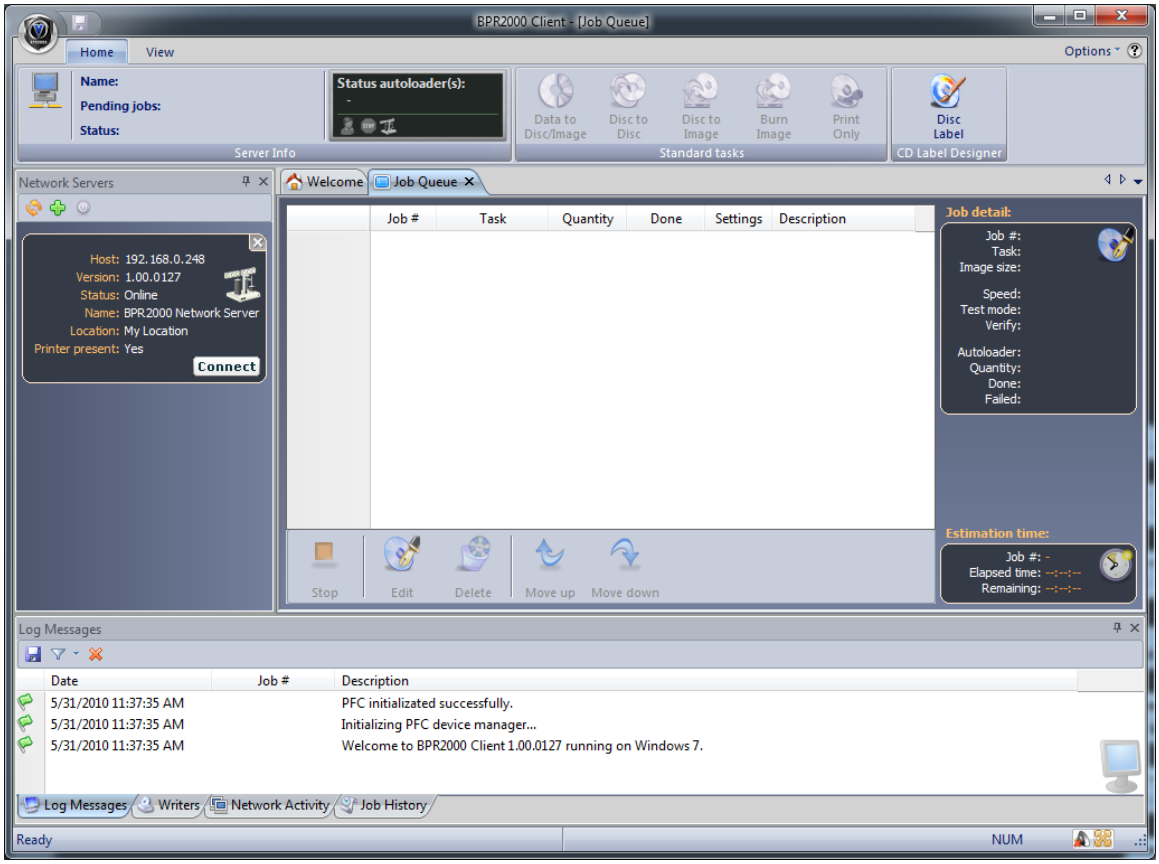
If the autoloader is colored red, then the operator requires attention. In the case below, the autoloader is out of media. You can enable the autoloader from the web based interface.



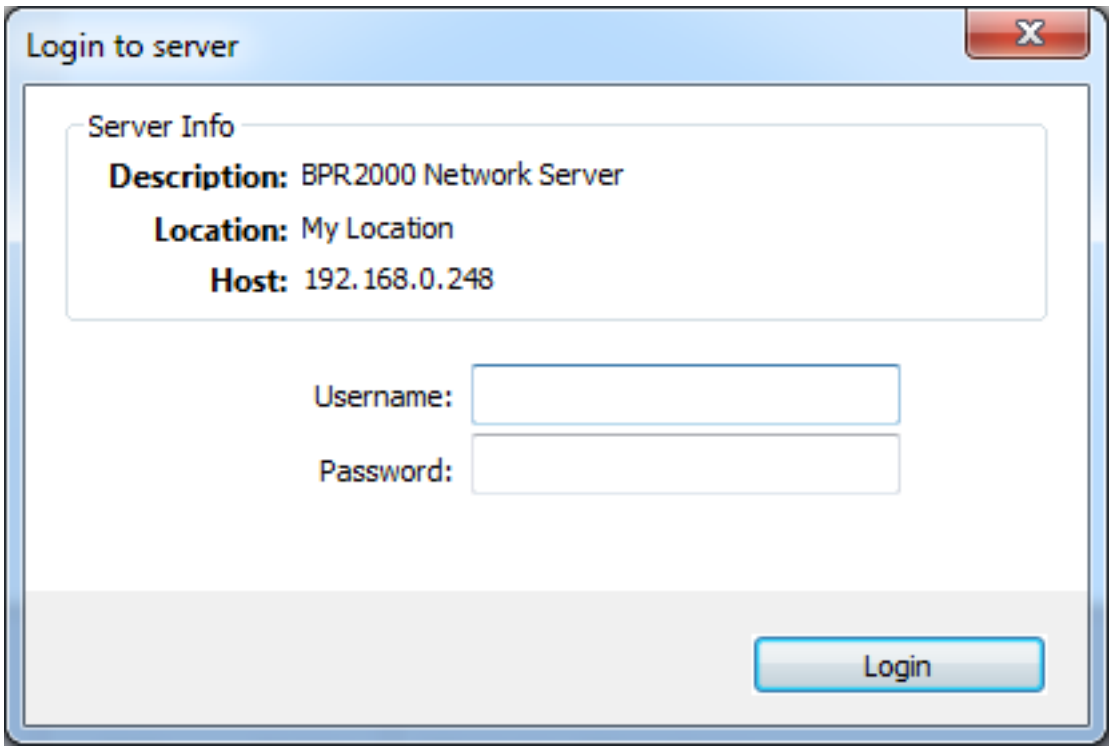
Client Application

The following is the BPR2000 Client user interface which is "Office 2007" like in appearance with the same management control of windows, buttons, etc. The BPR2000 interface offers the user a simple way to customize the appearance of the various status windows.

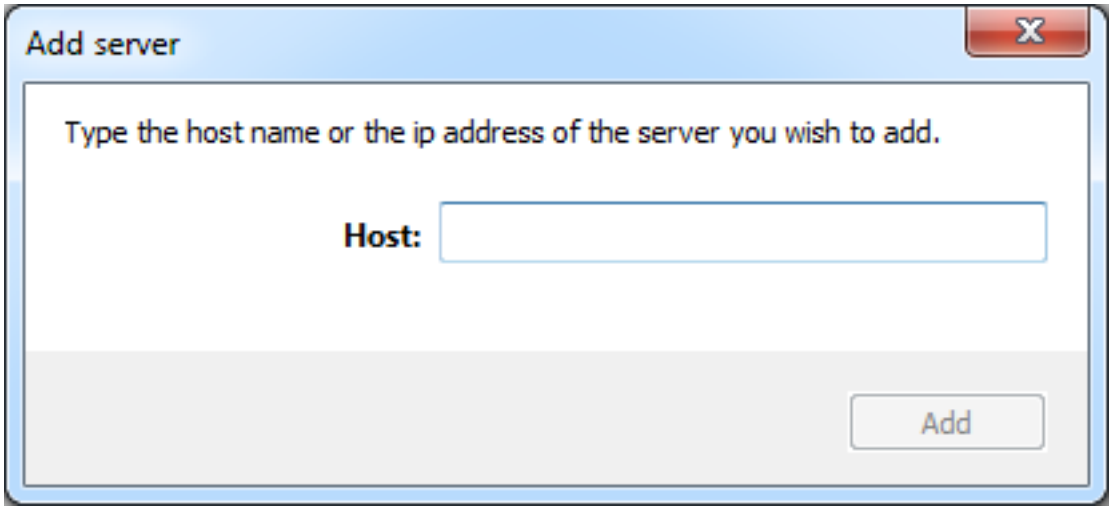
If the BPR2000 server has network enabled, then the following screen shot will automatically show a network server found at a specific IP address. If you don't see a network server, then you may want to check with your IT Administrator to see if your firewall is blocking the broadcast message to the server.



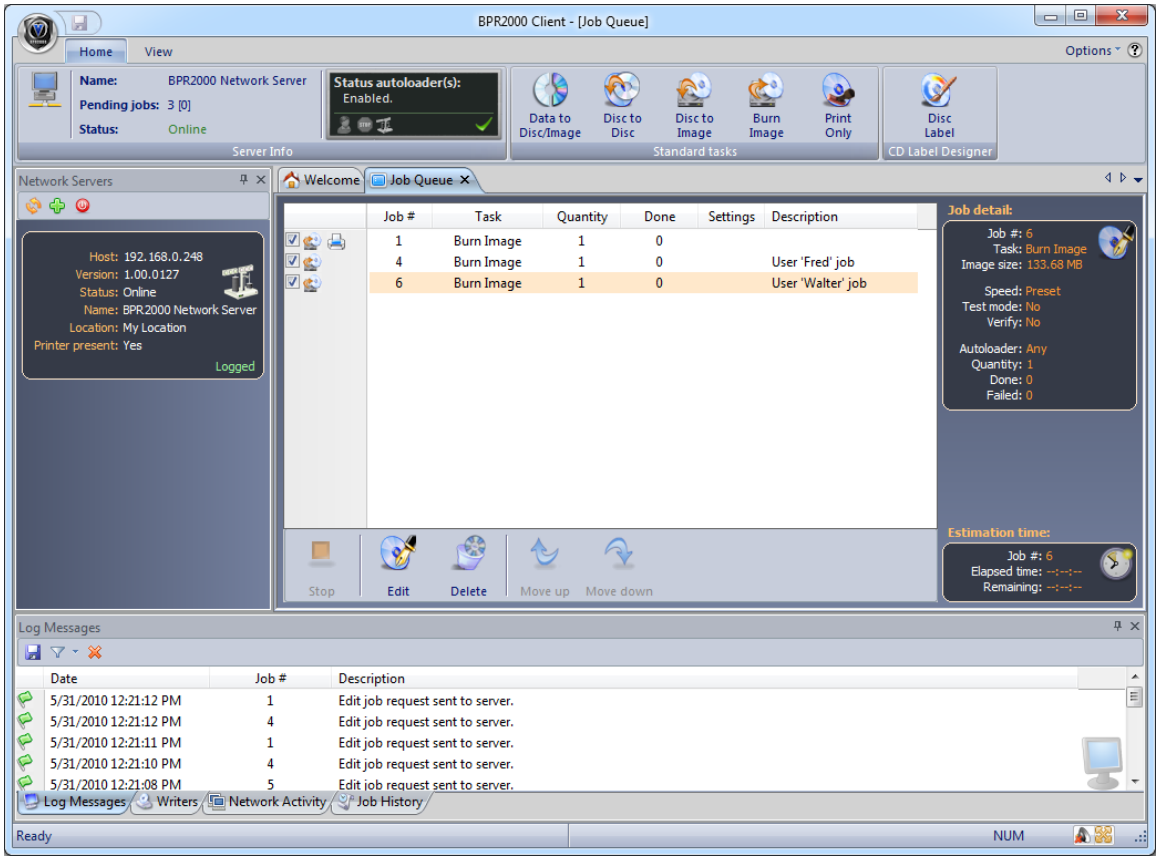
Select the Connect box to login to the server. If the administrator has enable user authentication, then the following login screen will appear:



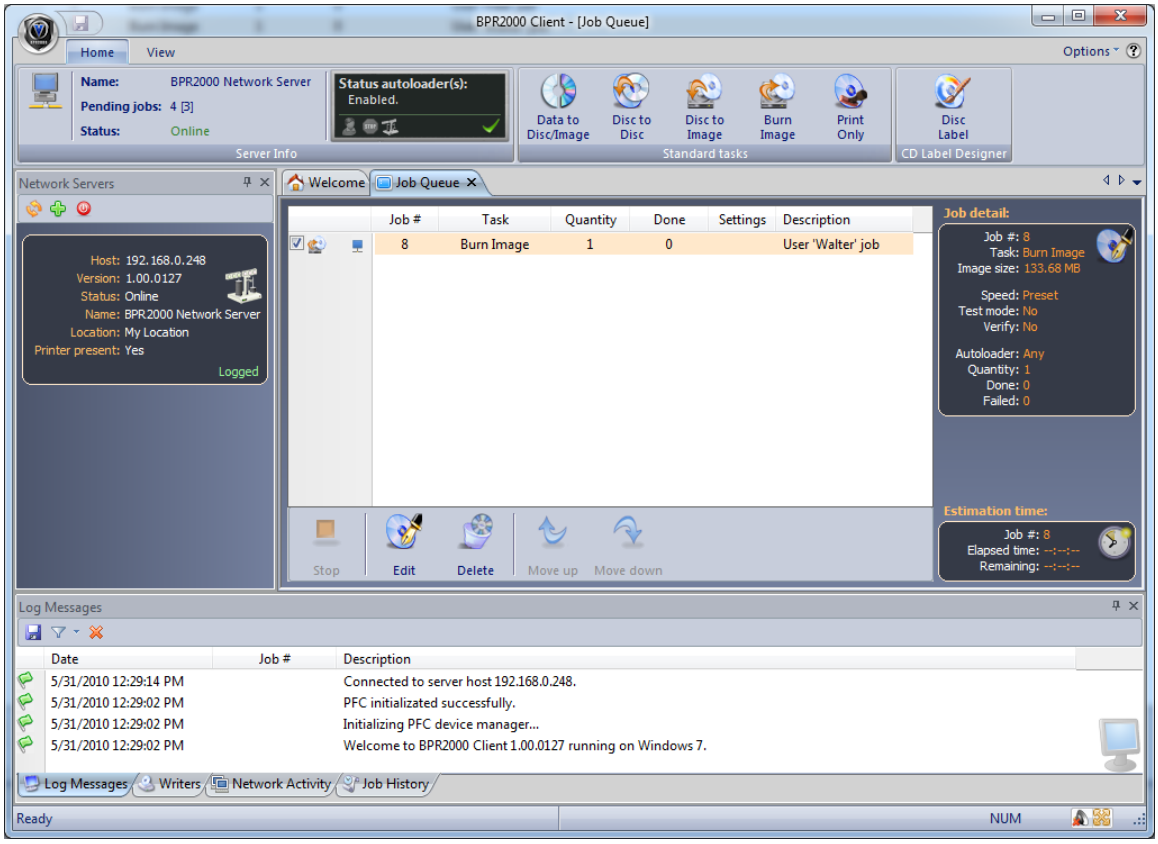
You can always add a different server pressing the "plus" button and entering the host information (host name or ip address):



The following screen will appear if you are successful logging into the server – the green "Logged" in is being displayed for this Network Server. This user happens to see all the jobs in the queue because either he/she has administrator rights or there is no user authentication enabled.



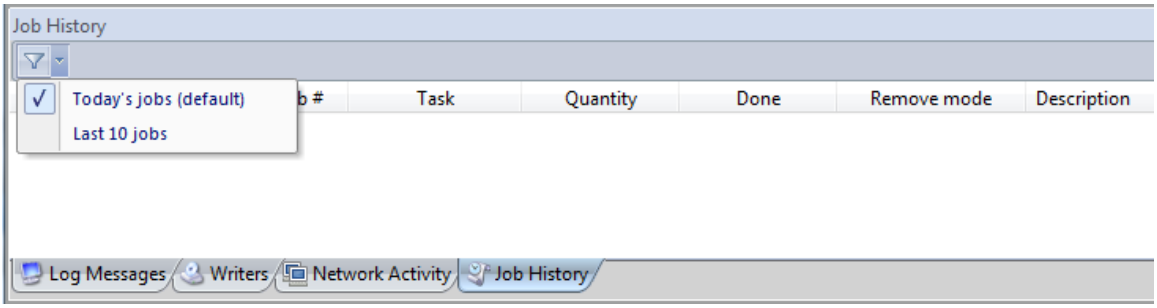
The key information to observe is the Status of the autoloader and the number of pending jobs in the queue. The "Pending jobs:" field above shows 3 [0], meaning that there are three enabled jobs in the queue and that this user's job is 1st in line. The following screen shot is for a user that only sees their jobs. This user has submitted one job and the Pending Jobs field is showing a total of 4 jobs enabled in the server queue with this user's job being 3rd in line after the current job is completed.


BPR2000 Client - [Job Queue]
Home
View
Options
Name: BPR2000 Network Server
Pending jobs: 4 [3]
Status: Online
Server Info
Status autoloader(s): Enabled.
Data to Disc/Image
Disc to Disc
Disc to Image
Burn Image
Print Only
Standard tasks
Disc Label
CD Label Designer
Network Servers
Host: 192.168.0.248
Version: 1.00.0127
Status: Online
Name: BPR2000 Network Server
Location: My Location
Printer present: Yes
Logged
Welcome
Job Queue
Job # Task Quantity Done Settings Description
8 Burn Image 1 0 User 'Walter' job
Job detail:
Job #: 8
Task: Burn Image
Image size: 133.68 MB
Speed: Preset
Test mode: No
Verify: No
Autoloader: Any
Quantity: 1
Done: 0
Failed: 0
Estimation time:
Job #: 8
Elapsed time: --:--:--
Remaining: --:--:--
Stop
Edit
Delete
Move up
Move down
Log Messages
Date Job # Description
5/31/2010 12:29:14 PM Connected to server host 192.168.0.248.
5/31/2010 12:29:02 PM PFC initialized successfully.
5/31/2010 12:29:02 PM Initializing PFC device manager...
5/31/2010 12:29:02 PM Welcome to BPR2000 Client 1.00.0127 running on Windows 7.
Log Messages
Writers
Network Activity
Job History
Ready
NUM

Autoloader Status Message and Job History

If you see the status change to "Operator required" as shown above, then please check the Vinpower autoloader or call your IT Administrator. In most cases, the autoloader input stack is empty.

The Job History tab will show completed jobs for today as well as the last 10 jobs by clicking on the filter icon below:



BPRNet

BPRNet provides a command line interface for sending jobs to Vinpower autoloader server(s) running the BPR2000 with Network feature enabled. This client application operates according to information specified in a Job Order File (*.JOB). Job Order Files can be utilized almost limitless ways by linking to source data or disc image files through directories. A disc image is created on the server system based on the sources specified in the Job Order Files and then written by the Vinpower autoloaderserver.

Upon receiving a request from BPRnet, the Server will process the job and it will show up in the job queue as a network received job.

The command syntax for BPRnet is as follows:

SYNOPSIS

BPRnet --<Operation> [-h <Host> [-u <Username> -p <Password>]]

{-j <JobNumber> | -f <JobFileName>}

USAGE

bprnet --help

--errors

--broadcast

--version

--template

--delete -h <Host> [-u <Username> -p <Password>] j <JobNumber>

--abort -h <Host> [-u <Username> -p <Password>] -j <JobNumber>

--status -h <Host> [-u <Username> -p <Password>] {-j <JobNumber> | -j all | -j running}

--edit -h <Host> [-u <Username> -p <Password>]

-j <JobNumber> [-q <Quantity>] [-a <Add Quantity>]

[-e <Enable>] [-d <Description>]

[-t <Test Mode>] [-v <Verify>]

[-s <Speed>] [-o <Text Overlay>]

--submit -h <Host> [-u <Username> -p <Password>] -f <JobFileName>

All options within square brackets "[ ]" are optional.

Options:

-h <Host> -- Server host name or ip address

-u <Username> -- Username

-p <Password> -- password

-j <JobNumber> -- Job number

-f <JobFileName> -- Absolute or relative path to text based job file

-q <Quantity> -- Number of disc(s) to be copied

-a <Add Quantity> -- Number of disc(s) to be added (or to be subtract if negative) to the quantity

-e <Enable> -- Enable (1) or disable (0) the job

-d <Description> -- Description text of the job

-t <Test Mode> -- Force test mode (when 1)

-v <Verify> -- Force verify (when 1)

-s <Speed> -- Writing speed for the job.

-o <Text Overlay> -- Text Overlay.

-g <Show Progress> -- Show (when 1, default) or hide progress during job transmission.

EXAMPLES

Help on BPRnet...

> bprnet --help

Display list of batch mode errors and their descriptions...

> bprnet --errors

Get a list of available servers (UDP broadcast query)...

> bprnet --broadcast

Show the version of the current BPRnet command line interface...

> bprnet --version

Create a template of a job file in the local path...

> bprnet --template

Delete a job...

> bprnet --delete -h 192.168.1.43 -j 524

Abort a job...

> bprnet --abort -h 192.168.1.111 -j 23

Show the status of all jobs...

> bprnet --status -h 192.168.1.111 -j all

Edit a job setting the quantity to 1000 and description to "Test"...

> bprnet --edit -h 192.168.1.43 -j 524 -q 1000 -d "Test"

Submit a job...

> bprnet --submit -h 192.168.1.43 -f data.job

Job File Format

Job File format:

** Comments must begin with semicolon (;) or pound (#).

** Strings must be enclosed in double quotation marks ().

[JOB]

is a tag to indicate the Job descriptor section.

VolumeName = "string"

A text string of alphanumerical characters that will be used as the disc volume name.

(used in SourceType = "*")

Description = "string"

A text string of alphanumerical characters that will be used as job description.

SourceType = "CDI" | "ISO" | "*" | "PrintOnly" ("*" not supported in 'Folder Sharing' Interface)

CDI : Disc image file

ISO : Data image file

* : Data files (default)

PrintOnly : Job defines only a label to print

DiscType = "CD-ROM" | "DVD" | "BD"

CD-ROM: Data CD (default)

DVD : Data/Audio/Video DVD (DVD2 for Dual Layer)

BD: Data BD (BD2 for Dual Layer)

WritingFlags = "string"

Flags for specific writing functions. WritingFlags are composed of one or more flags.

v = Verify.

t = Test Mode.

u = UDF file-system only.

WritingSpeed = number

Specifies the CD/DVD/BD/HDDVD writing speed. Default = 0 (server settings).

Quantity = number

Specifies the number of discs to be replicated. The value 0 can be used to specify an

automatic number of copies allowing the autoloader to use all available media.

Default = 1.

IgnoreInaccessibleFiles = "Y"|"N"

Y: Ignores inaccessible file(s).

N: Does not ignore inaccessible file(s), displays error, and terminates

BPRNet (default).

LocalServerLink = "Y"|"N"

Y: Sends symbolic links pointing to source content rather than sending full content.

Allowed only when BPRNet submits the job to the local host.

N: Sends full content to the server (default).

DiscSpanning = "Y"|"N"

Y: When SourceType is "*", splits the content in multiple discs if more space is required.

N: Returns an error in the selected DiscType does not have enough space to store all content (default).

[LABEL]

is a tag to indicate the Job label section.

Image = <Src: "Path\ImageFileName[.BMP | .JPG | .JPEG | .PRN]">

A text string of alphanumerical characters specifying an absolute or relative path

and/or an image file (whether a BMP, JPEG, or PRN).

Text = <Data: "String"> [<FontName: "FontName">] [<FontSize: "FontSize">] [<Color: "#color">] [<Style: "Style">] [<Align: "Align">] [<Position: "Position">]

Data: A string of alphanumerical characters.

FontName: TrueType font name.

FontSize: font size.

Color: HTML syntax RGB color (Example: "#3400ff").

Style: "Bold", "Italic", "Underline" or any combination (Example: "Bold, Italic").

Align: "Left", "Right" or "Center".

Position: "Top", "Left", "Right", "Bottom" or "X=value; Y=value" (Example: "Top"; "X=100; Y=300"; "Bottom+40" to move down 4 millimeters).

CircularText = <Data: "String"> [<FontName: "FontName">] [<FontSize: "FontSize">] [<Color: "#color">] [<Style: "Style">] [<Align: "Align">] [<Radius: "Radius">] [<Position: "Position">] [<ClockWise: "Y/N">]

Data: A string of alphanumerical characters.

FontName: TrueType font name.

FontSize: font size.

Color: HTML syntax RGB color (Example: "#3400ff").

Style: "Bold", "Italic", "Underline" or any combination (Example: "Bold, Italic").

Align: "Left", "Right" or "Center".

Position: "Top", "Left", "Right" or "Bottom" (Example: "Top"; "Bottom").

Radius: Radius in tenth of millimeter.

ClockWise: "Y" or "N".

BarCode = <Data: "String"> [<Type: "Type">] [<Align: "Align">] [<ShowText: "Y/N">] [<WhiteBackground: "Y/N">] [<Checksum: "Y/N">] [<Position: "Position">]

Data: A string of alphanumerical characters.

Type: Barcode Type ["CODE_39", "CODE_93", "CODE_128", "INTERLEAVED_25", "MSI" or "PLESSY"].

Align: "Left", "Right" or "Center".

ShowText: "Y" or "N".

WhiteBackground: "Y" or "N".

Checksum: "Y" or "N" when supported.

Position: "Top", "Left", "Right" or "Bottom" (Example: "Top"; "Bottom").

[DATA]

is a tag to indicate the Job sources section.

<Src: "[\ServerName\][Path\][filename]" [-r]> [<DstDir: "LongPathName"> | <DstFile: "[LongPathName\]LongNewFileName">]

Src: A source file or directory name must be specified, regardless of DiscType. If **-r** is specified, the search goes through all subfolders as well.

DstDir: Optional destination directory. The root directory ("\") will be used by default. You don't need to specify DstDir if the DiscType is CD-DA.

DstFile: Optional destination file, but if specified it must contained a filename. If the source is a directory, the DstFile option will be ignored.

NOTE: For audio tracks, the <DstDir:> and <DstFile:> options can be omitted. All audio tracks are placed under the destination's root. Supported file types for audio tracks include mp3 (.MP3), WAVE (.WAV), and Windows Media Audio (.WMA).

For data files and/or folders, <DstDir:> or <DstFile:> must be specified.

BPRNet Job File Example

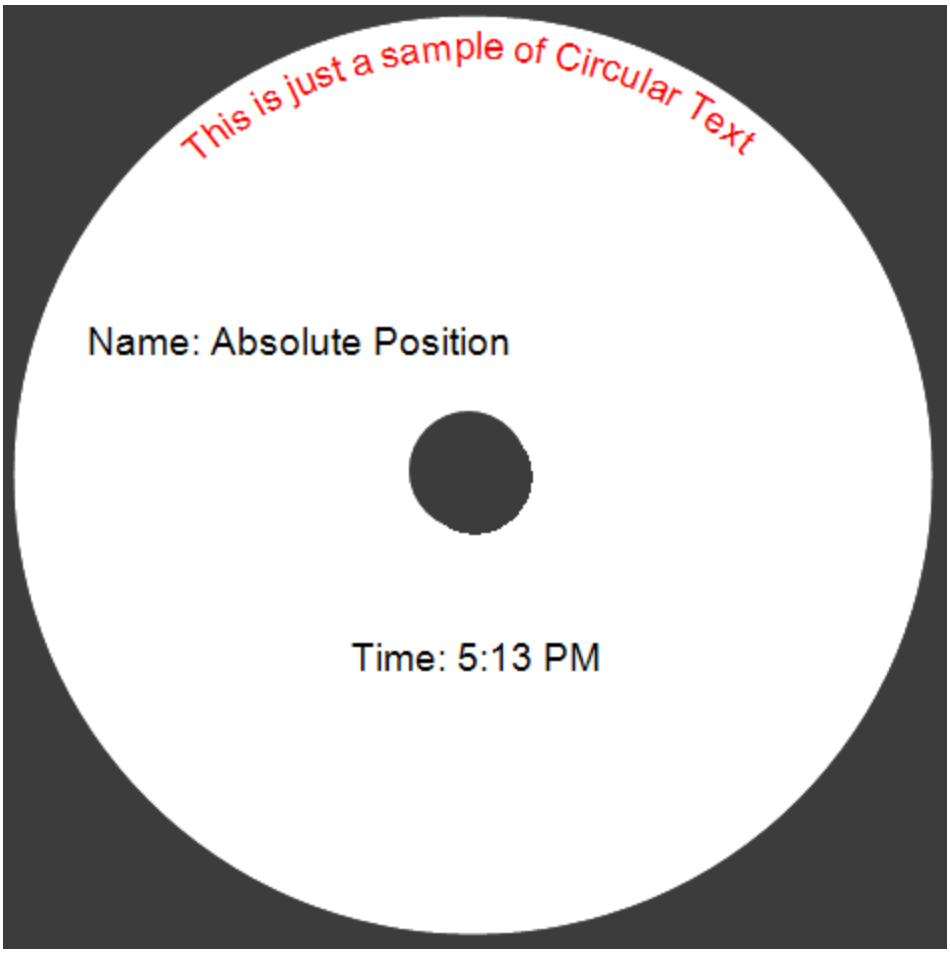
Sample 1:

```
[JOB]
SourceType = "*"
DiscType = "CD-ROM"
VolumeName = "ABCVideo"
WritingFlags = "v"
WritingSpeed = 0
Quantity = 1

[LABEL]
Image = <Src: "C:\ABC Video Logo.bmp">
Text = <Data: "Customer X Talent Show|Los Angeles, CA|Dec 22, 2008">

[DATA]
<Src: "C:\Talent show\"> <DstDir: "\">
```

Sample 2:

```
[JOB]
SourceType = "PrintOnly"
Quantity = 1
[LABEL]
CircularText = <Data: "This is just a sample of Circular Text">
<Color: "#FF0000"> <Radius: "520"> <Position: "Top"> <ClockWise:
"Y">
Text = <Data: "Name: Absolute Position"> <Position: "X=-500; Y=-
200"> <Align: "Left">
Text = <Data: "Time: <TIME>"> <Position: "X=0; Y=200"> <Align:
"Center">
```

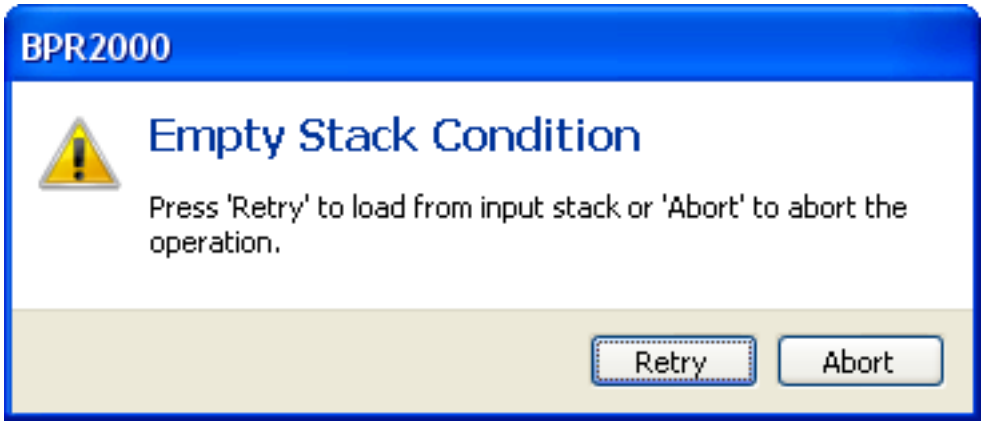
Label produced by 'Sample 2':



In this sample, we used the keyword <TIME>.

Empty Stack Condition

An *Empty Stack Condition* dialog will appear if the input stack is empty and the job running is requesting more discs than what is currently available. The dialog below is an example of a empty stack condition. The user can click the "Retry" button which will cause the autoloader to attempt another pick of a disc from the input stack – the mechanical picker arm will try three times before it gives up and displays the empty stack condition again. The abort button will stop the job and depending upon the job type running and the current condition, certain events will happen. The dialog below shows a situation in which the master has been read but there are no blanks in the input stack. If the user clicks the Abort button, the master will be rejected and the Disc to Disc job will be removed from the Job queue.



In the case of an *Empty Stack Condition* occurring after one or more blank discs have been loaded, the following dialog will appear:

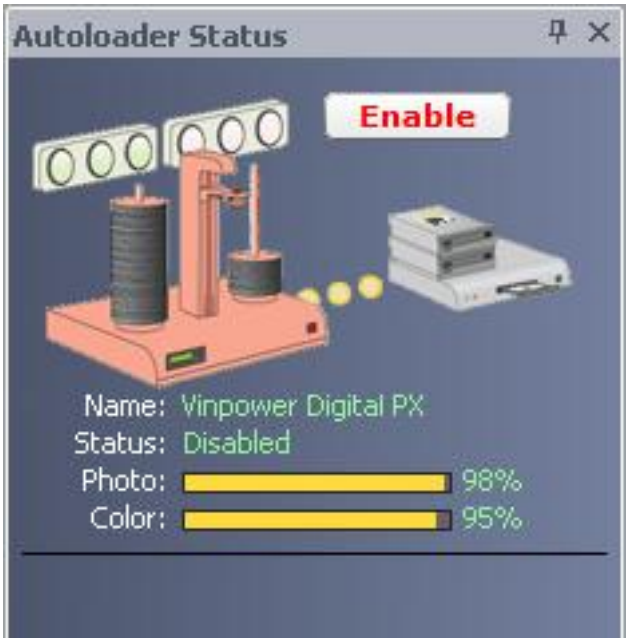
BPR2000
Empty Stack Condition
Press 'Retry' to load from input stack, 'Abort' to abort the operation or 'Finish' to complete operation.
Retry
Abort
Finish

Retry: The picker arm will attempt to pick up a blank disc and after 3 retries, the same message will appear again.

Abort: The action will cause the autoloader to reject any discs currently in the writer(s) and printer.

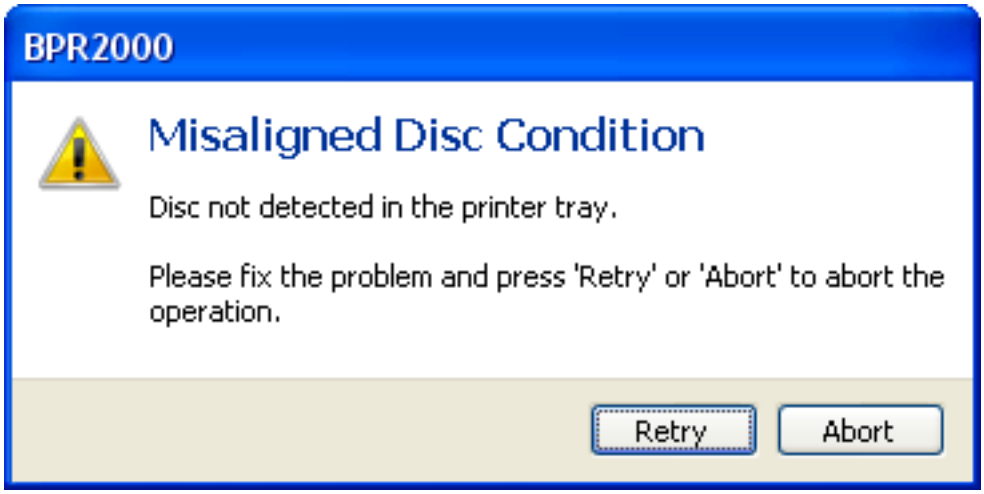
Finish: The autoloader will complete the recording and printing of any discs in the writer(s) and the printer.

If the Abort or Finish button is selected, the autoloader status will change to "Out of Media" and the user will have to "Enable" the autoloader by clicking on the red "Enable" button show below:



Misaligned Disc Condition

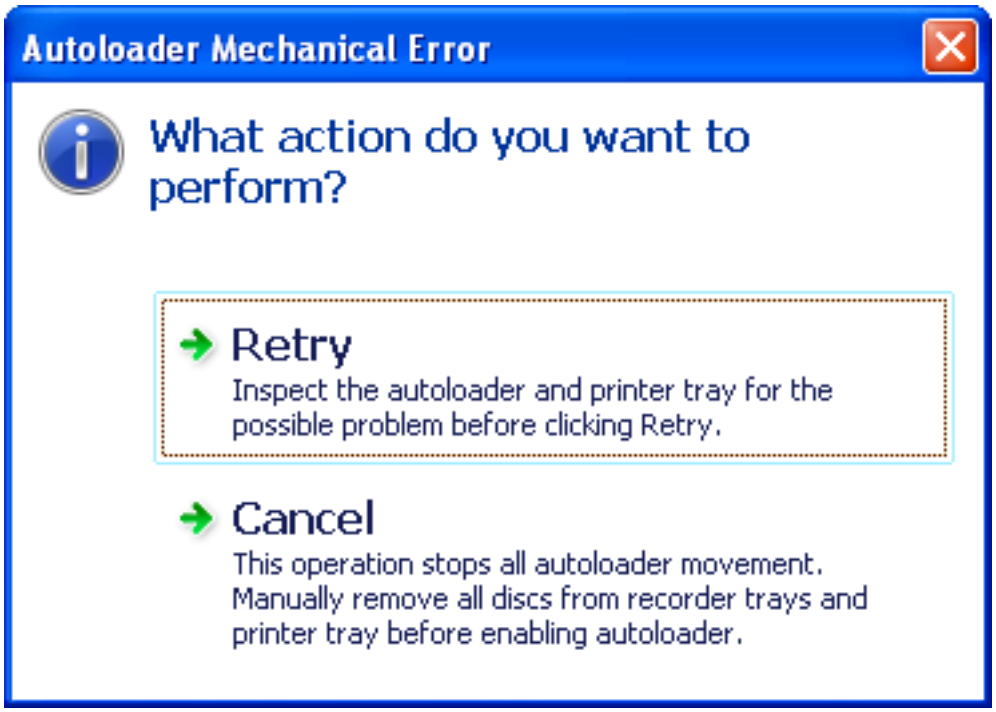
The following dialog will appear if the disc is not placed on the printer tray correctly. This could be an issue with the robotic picker arm dropping the disc too soon, or losing the disc from it's picker during the placement on the printer tray, or a robotic calibration issue, or the printer tray did not open far enough. The final answer will require the user to closely monitor the process to see if the problem happens again, if so, what is causing this condition?


BPR2000
Misaligned Disc Condition
Disc not detected in the printer tray.
Please fix the problem and press 'Retry' or 'Abort' to abort the operation.
Retry
Abort

BPR2000 will automatically open the printer tray so that the user can observe the condition of the disc on the tray. If the disc is not aligned correctly, the user can align the disc and click the "Retry" button. The printer will attempt to clamp down on the disc and proceed with the job. The "Abort" bottom will immediately stop the job and the user will have to manually remove the disc from the printer and any writer(s).

Autoloader Mechanical Error

This is a serious error that requires human intervention. This error normally occurs when something interferes with the robotic arm, like the picker arm not being able to go far enough down to place or pick-up a disc from a writer tray. If this error appears, the user has two options as show by the dialog box below.


Autoloader Mechanical Error
What action do you want to perform?
Retry
Inspect the autoloader and printer tray for the possible problem before clicking Retry.
Cancel
This operation stops all autoloader movement. Manually remove all discs from recorder trays and printer tray before enabling autoloader.

Important: If the **Retry** button is selected, you should first make sure that nothing is interfering with the robotic arm that might cause damage to the robotic unit. The Retry button might be able to recover from the mechanical error.

The **Cancel** button will stop the job immediately with no further movement of the robotic picker arm. The user should **manually** remove all discs from the writer tray(s) and the printer tray before starting the queue again.

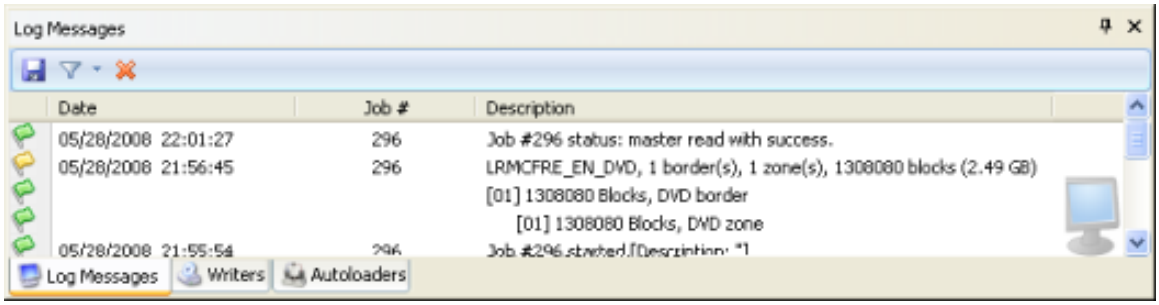
Log Messages and Writer Information

One important element with a DVD/CD Duplication system is good error reporting and obtaining as much information as possible about the writers. The DVD/CD writers have optical lenses and some intricate small moving parts that do wear over time. It is very important that the user be able to examine the number of rejects occurring with any given writer at any point in time. In addition, not every writer is the same and they don't always write at the same speed with different brands of blank optical media. BPR2000 includes some very helpful tools if you wish to examine certain compatibility or performance information between your media and the writer.

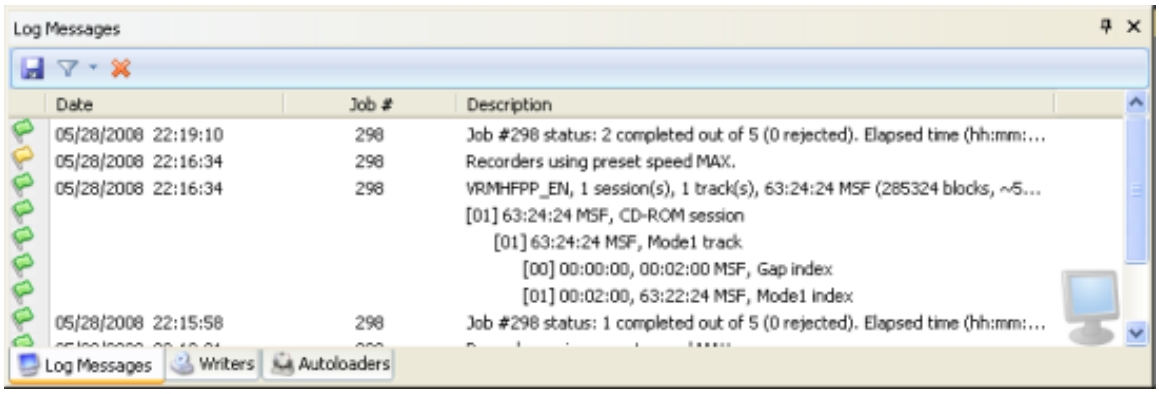
Log Messages

The *Log Messages* window provides information about the current job running.

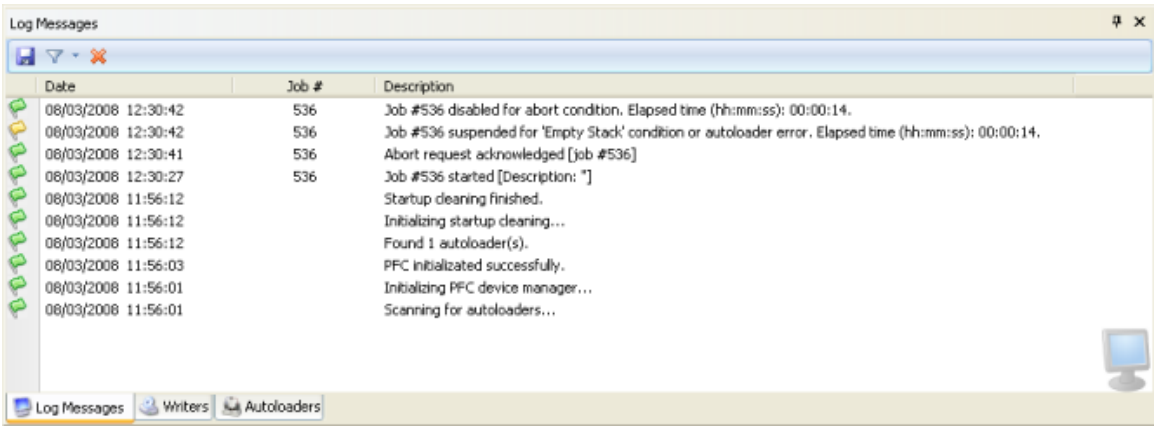
In the example below, the window shows how large is the master, type of master, and that it was successful reading the master in the case of a Disc to Disc or Disc to Image job:



This log message window below reports the number of accepts as the job is running:

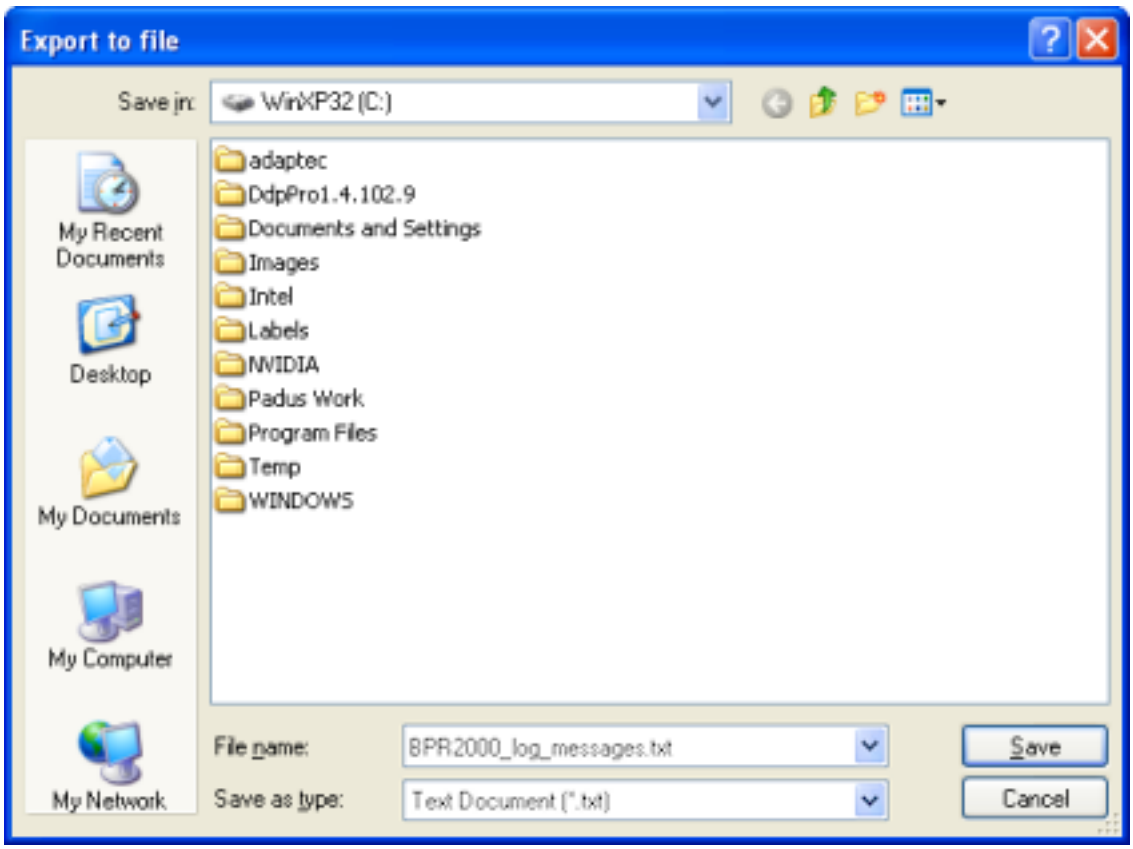


This log message window shows an autoloader error:

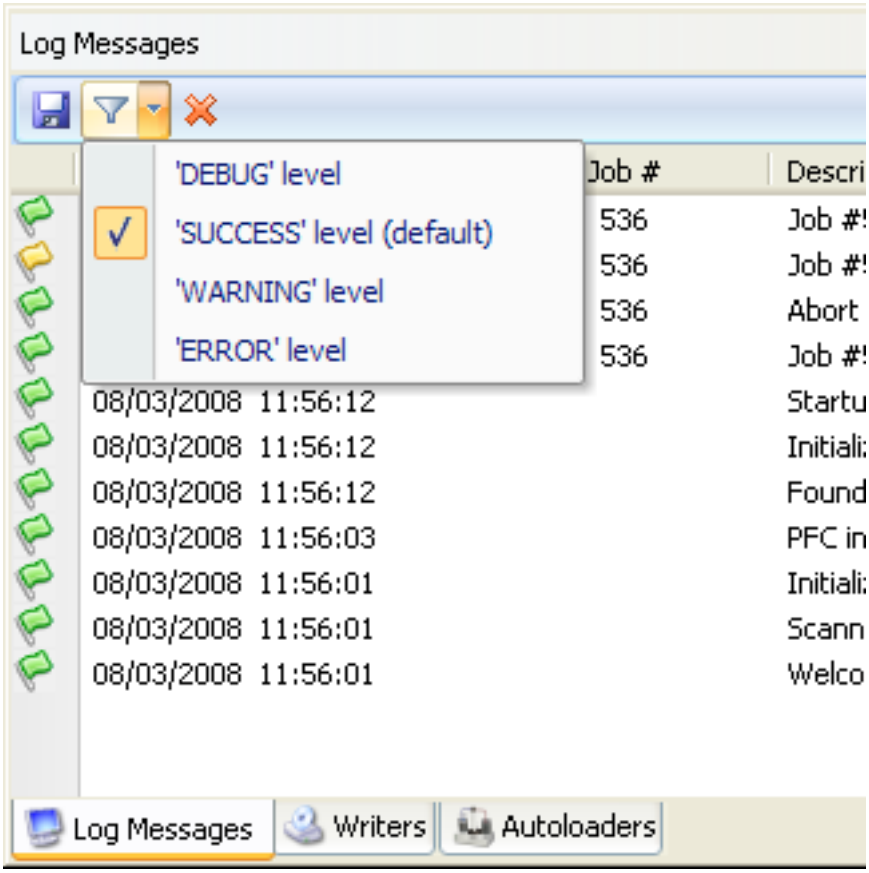

Log Messages
Date
Job #
Description
08/03/2008 12:30:42 536 Job #536 disabled for abort condition. Elapsed time (hh:mm:ss): 00:00:14.
08/03/2008 12:30:42 536 Job #536 suspended for 'Empty Stack' condition or autoloader error. Elapsed time (hh:mm:ss): 00:00:14.
08/03/2008 12:30:41 536 Abort request acknowledged [job #536]
08/03/2008 12:30:27 536 Job #536 started [Description: '']
08/03/2008 11:56:12 Startup cleaning finished.
08/03/2008 11:56:12 Initializing startup cleaning...
08/03/2008 11:56:12 Found 1 autoloader(s).
08/03/2008 11:56:03 PFC initialized successfully.
08/03/2008 11:56:01 Initializing PFC device manager...
08/03/2008 11:56:01 Scanning for autoloaders...
Log Messages
Writers
Autoloaders

There may be situations that you will be requested by a Vinpower autoloader Support Engineer to email a copy of the log messages. If you encounter a problem with a given job, you should click on the save icon symbol shown below BEFORE you exit the program.

The following dialog will appear giving you the option to type in a different name for the log file:

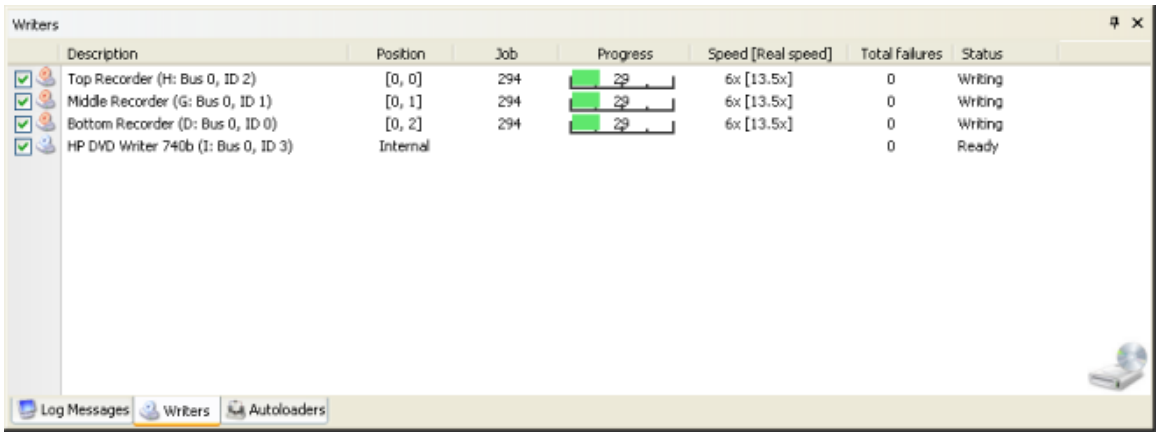


In addition, there may be situations in which the Vinpower autoloader Support Engineer will need more detailed information about the error or problem. The Support Engineer may ask for the "Debug" level of the log messages. You can provide this by clicking on the special symbol below and selecting DEBUG. Once this is done, you can now select the save button to save the log messages:

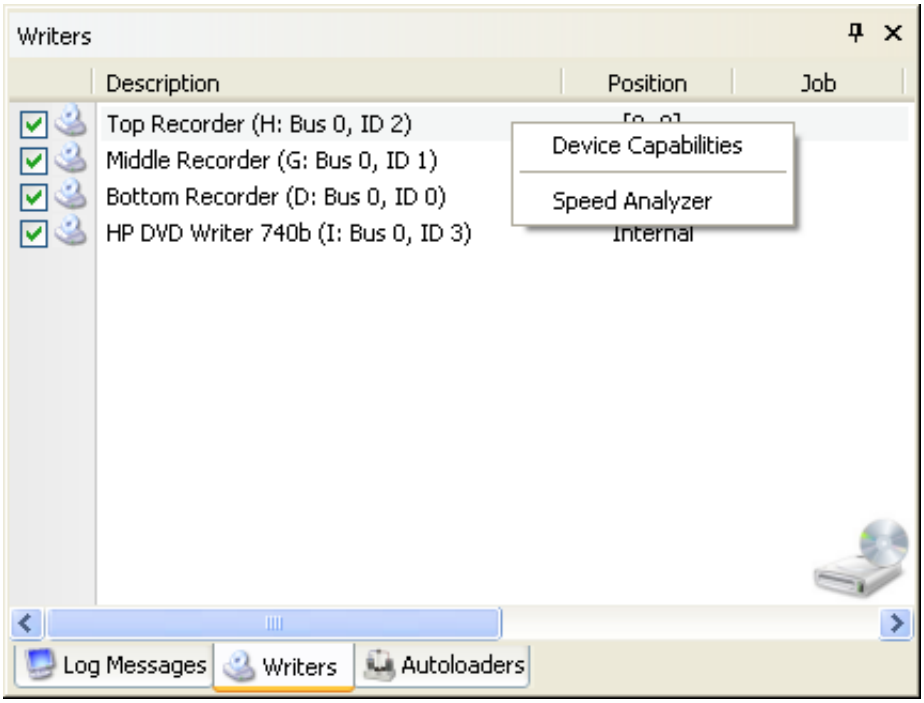


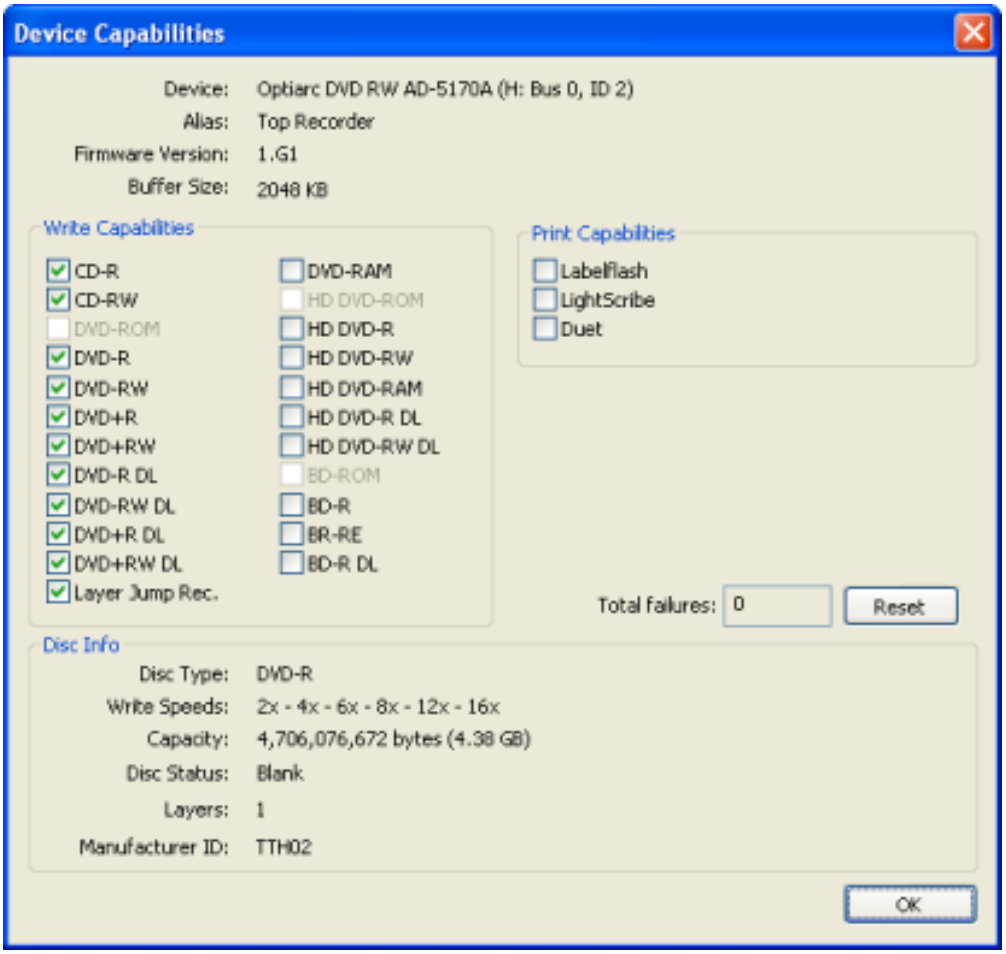
Writer Information/Speed Analyzer

BPR2000 provides a lot of good information about the writer(s) in the system. The following window shows the writer model, total number of failures, real-time percentage completion during record, verify, test, and print. In addition, the total number of failures during the life of the writer is displayed.



If you need to obtain information about the brand of media you are using and what speeds are supported by the recorder, you can place a blank disc into one of the writer trays by manually opening the writer tray, placing the blank disc on the tray, and closing the tray. Click on one of the writers to highlight the writer and right click your mouse and the following window will appear:





BPR2000 offers a feature to display actual writing speed during the recording process or after the disc has been written. BPR2000 will always keep the last write speed graph until another job or disc is burned.

The following graphs shows a CD-R that reached a speed of 41.5X and an average overall write speed of 31.83X.

Speed Analyzer
The graph reports the last speed analysis.
48X
40X
32X
24X
16X
8X
0
10
20
30
40
50
60
70
80
Average: 31.83
Device: PIONEER DVD-RW DVR-112D (D: Bus 9, ID 0)

Error Messages

The following is list of possible error messages that may appear in your log message window. If you are not sure about the meaning of a particular error, please save your log messages before you exit the application by following these instructions.

Buffer Under-run or write error

There is a I/O or data transfer problem between one or more recorders and the hard drive.

Possible solution: Reduce the write speed. Other recommendations are to try a different brand of media as well as defrag your hard drive.

No seek complete

The recorder cannot get to a certain block address in the allotted amount of time.

Possible solution: Try a different brand of media as well as slow down the write speed.

L-EC or CIRC unrecoverable read error

This indicates that there are errors that cannot be corrected by the multiple layers of error correction present on the disc.

Solution: Reduce the write speed as well as try another brand of media.

OPC or PMA update error

Optical Power Calibration or Program Memory Area – the recorder and media combination failed this initialization step.

Solution: When you are unable to write to the PMA area, it's normally caused by poor media, dust on the optical head, old firmware on the recorder, or a recorder in need of alignment. But 90% of the time its media related. This is normally caused by poor media or dust on the optical lenses of the recorder. Please contact technical support for further information – the recorder may need to be replaced.

Illegal Field in Command Descriptor block

BPR2000 is sending a SCSI command with certain set of parameters and the recorder is reporting a value that is not expected.

Solution: Send a copy of your log message file to customer service.

About Vinpower Digital:

With production and sales offices in Taiwan and our corporate office in USA, we can meet the demands and pricing expected in a global market. If you're looking to distribute the most reliable and effective CD/DVD duplication equipment available today, Vinpower Digital is the No. 1 choice!

Who we are

Vinpower Digital is a manufacturer and worldwide supplier of the most reliable and advanced duplication equipment available. Founded in 2000 as a system integrator, we started out with lofty goals and a lot of determination. Unable to secure the services and capabilities necessary to build duplicators to our higher standards, Vinpower Digital began developing our own duplication equipment. We have since developed the highest quality and most reliable duplicator controller, manual tower casing, and robotic autoloader duplicators on the market. By constantly expanding the boundaries of technology and offering market leading features which vastly improve the duplicators compatibility and functionality, Vinpower Digital quickly rose among the duplication industry elite.

Our focus

To become the leading supplier of CD and DVD duplication equipment all over the world, we plan on achieving this goal by providing the highest quality and most reliable CD/DVD duplicators combined with excellent customer service and affordable pricing worldwide. With production and sales facilities in Taiwan and our corporate office in the USA, we can quickly ship to any location around the world at very low reasonable prices.

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